1. INTRODUCTION

Congratulations on your new Garia vehicle.

The Garia is the ultimate luxury golf and leisure car; a unique combination of performance, versatility and elegance – designed to move you.

This Garia car User's Manual contains important information that you will need for the proper operation, maintenance and handling of your Garia.

This User's Manual covers the Garia Golf Car, the Garia LSV, and the Garia Monaco.

We encourage you to read this and the other following manuals thoroughly before operating your Garia.

If you have additional questions regarding operation or maintenance, please contact your local Authorized Garia Service Dealer for support.

Thank you for choosing Garia.

After Sales and Support Department
Garia A/S
Lunikvej 44
DK-2670 Greve
Denmark

User's Manual: Garia golf and leisure vehicle.

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3rd Edition

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Find your local dealer at:
http://www.garia.com

Garia A/S and Garia Inc. reserves the right to make design changes without obligation to make these changes on units previously sold.
The information contained in this manual is subject to change without notice.
Garia A/S or Garia Inc. is not liable for errors in this manual or for incidental or consequential damages that result from the use of the material in this manual.

IMPORTANT MANUAL INFORMATION

Particularly important information is emphasized in this manual by the following notations:

⚠
The Safety Alert Symbol means ATTENTION! BE ALERT! YOUR SAFETY IS INVOLVED!

⚠ DANGER

Failure to follow DANGER instructions could result in severe injury or death to the vehicle occupants, a bystander, or a person inspecting or repairing the vehicle.

⚠ WARNING

Failure to follow WARNING instructions could result in severe injury or death to the vehicle occupants, a bystander, or a person inspecting or repairing the vehicle.

⚠ CAUTION

Failure to follow CAUTION instructions could result in damage to the vehicle or the surroundings.

NOTE

This message provides additional important information.

⚠WARNING

Read and understand the manual completely before operating your Garia vehicle.

NOTE

Garia A/S is continually making enhancements or improvements in design or quality which are applied to its products. This manual contains all available information on the current product at the time of printing, however, there can be minor differences between your Garia vehicle and this manual. If you have any questions concerning this manual or your Garia product, please consult your Garia dealer.

This manual is to be considered a permanent part of the Garia vehicle. Hence, it should always follow the vehicle, including when it is resold.

⚠WARNING

A floor mat is available as an option, using the floor mat may cause interference with the pedals which can results in failure to stop the vehicle or uncontrolled throttle movement. This can cause serious injury or death. The floor mat can potentially slide on the floor of the vehicle, which can create hazardous conditions; causing serious injury or death.

⚠WARNING

Be aware, when operating on public roads, that this vehicle offers significantly little crash protection compared to normal cars, vans, trucks or other motorized vehicles. This will result in a higher risk of injuries or death in collisions, at any speed, especially in areas with heavy traffic or traffic with higher speeds.

To reduce the risk of injuries or accidents, follow the guidelines below:

- All passengers must always wear seatbelts at any time (If fitted).
- Always reduce speed when driving on hills or when cornering to reduce the risk of vehicle tipping over or passengers falling out.
- Avoid operating at night as far as possible. The vehicle can be hard for others to see, or it can be hard for others to recognize the limited crash protection.
- NEVER operate while under the influence of alcohol and/or drugs.

IMPORTANT NOTE

ALWAYS OPERATE THIS GARIA VEHICLE IN COMPLIANCE WITH YOUR COUNTRY AND LOCAL VEHICLE REGULATIONS INCLUDING REGISTRATION, TITLING, INSURANCE, SEAT BELT USAGE, AND OPERATOR'S LICENSING.

Turn ignition switch to the off position and remove key before leaving the vehicle.

ALWAYS FASTEN YOUR SEAT BELTS!

To extend the life of your batteries:

- Keep the vehicle plugged into the charger even during long absences. The charger recognizes the charging needs, and will keep the batteries in peak condition without causing any damage.
- Keep batteries fully charged at any time possible.
- Avoid deep discharging of batteries at any time possible.
- Add distilled water as necessary, using the Trojan® HydroLink™ Watering system (see user's manual, chapter 3).
- Always wear safety goggles or eye protection, rubber gloves and a face mask before handling batteries.
- Check the electrolyte by observing the water level indicator to insure that the watering frequency rate is maintaining the correct electrolyte level. (Especially when new (first 4 weeks) and under heavy use.) See page 22 in the golf car user's manual for more information regarding the water level indicator.

IMPORTANT LABELS/NOTIFICATIONS

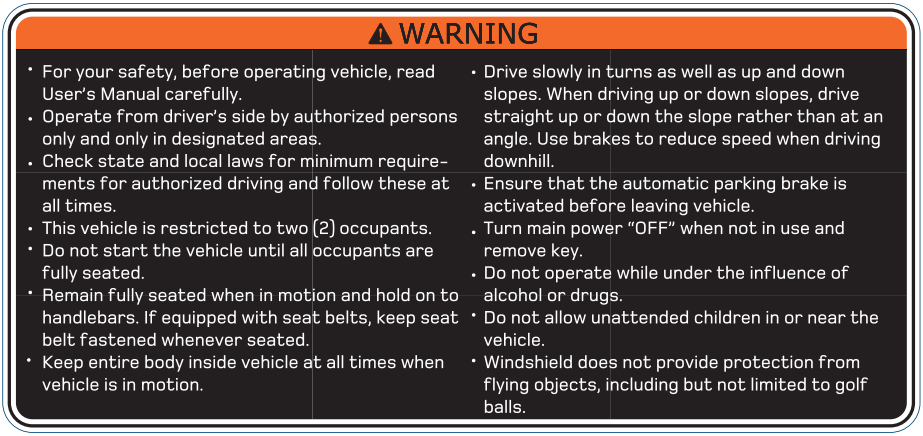
⚠ WARNING
• For your safety, before operating vehicle, read User's Manual carefully.
• Operate from driver's side by authorized persons only and only in designated areas.
• Check state and local laws for minimum requirements for authorized driving and follow these at all times.
• This vehicle is restricted to two (2) occupants.
• Do not start the vehicle until all occupants are fully seated.
• Remain fully seated when in motion and hold on to handlebars. If equipped with seat belts, keep seat belt fastened whenever seated.
• Keep entire body inside vehicle at all times when vehicle is in motion.
• Drive slowly in turns as well as up and down slopes. When driving up or down slopes, drive straight up or down the slope rather than at an angle. Use brakes to reduce speed when driving downhill.
• Ensure that the automatic parking brake is activated before leaving vehicle.
• Turn main power "OFF" when not in use and remove key.
• Do not operate while under the influence of alcohol or drugs.
• Do not allow unattended children in or near the vehicle.
• Windshield does not provide protection from flying objects, including but not limited to golf balls.

Fig. 1.1

Dashboard Label. Read before operating vehicle. Label size may vary

⚠ DANGER
Defective batteries, cables, or plugs should be replaced immediately by qualified personnel only.
Touching battery cables or uninsulated battery terminals may result in electric shock causing SERIOUS INJURY or DEATH.
NEVER connect the positive and negative terminals of a battery.
Such conduct may result in an electrical shortage, which may cause burns or other SERIOUS INJURIES or DEATH.
⚠ WARNING
Surfaces may be hot. To avoid risk of burns or other serious injury, DO NOT TOUCH.
⚠ CAUTION
DO NOT REMOVE COVER.
Service should be performed by qualified personnel only.
Always turn the Main Power switch to "OFF" before removing or reconnecting batteries, battery wires, or any other electrical components. Failure to do so may result in electrical arc or battery explosion.

Fig. 1.2

Batteries Warning Label. Read before handling batteries.
Label placed in the battery compartment. Label size may vary.

WARNING
• Always turn Main Power switch to “OFF” before removing or reconnecting batteries battery wires or any other electrical components. Failure to do so may result in electrical arc or battery explosion.
• Modifying or tampering with this vehicle could result in SERIOUS INJURY or DEATH, as well as permanent damage to the vehicle.
• Any unauthorized modification of this vehicle will void all applicable warranties.

Fig. 1.3

Maintenance Warning Label. Read before maintaining vehicle.
Label placed in the battery compartment. Label size may vary.

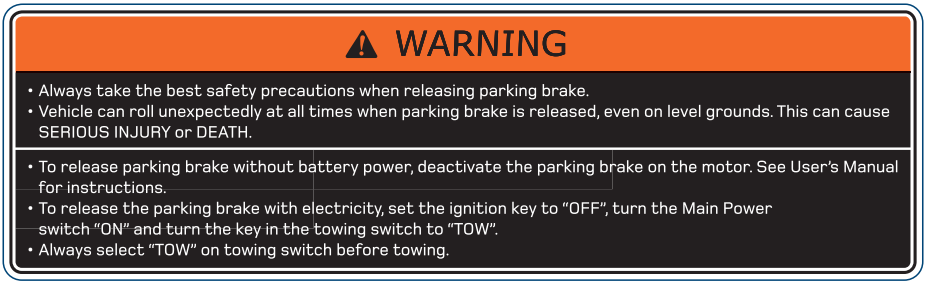
WARNING
• Always take the best safety precautions when releasing parking brake.
• Vehicle can roll unexpectedly at all times when parking brake is released, even on level grounds. This can cause SERIOUS INJURY or DEATH.
• To release parking brake without battery power, deactivate the parking brake on the motor. See User’s Manual for instructions.
• To release the parking brake with electricity, set the ignition key to “OFF”, turn the Main Power switch “ON” and turn the key in the towing switch to “TOW”.
• Always select “TOW” on towing switch before towing.

Fig. 1.4

Towing Warning Label. Read before towing vehicle.
Label placed in the battery compartment. Label size may vary.

WARNING
Do not sit or stand on the load area or rear wings. Sitting or standing in these areas may result in a fall, causing SERIOUS INJURY or DEATH.

Fig. 1.5

Load area label. Read before operating vehicle. Label size may vary.

Additional labels can be present on specific vehicles, depending on local jurisdiction.

REPORTING SAFETY DEFECTS

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Garia Inc.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Garia Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at:
1–888–327–4236 (TTY: 1–800–424–9153);

go to:
http://www.safercar.gov

write to:
Administrator
NHTSA
400 Seventh Street, SW
Washington, DC 20590

You can also obtain other information about motor vehicle safety from
http://www.safercar.gov.

To contact Garia, please write to:
Garia Inc., Technical Assistance and Service Parts
18838 Stone Oak Parkway, Suite 201
San Antonio, Texas 78258
United States
Phone: +1 210 481 5500
Fax: +1 210 481 5505

email:
support@garia.com

or go to:
http://www.garia.com

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1. WARRANTY

In order to uphold the warranty it is important that all service actions are performed according to the intervals specified by Garia. Please refer to your warranty and service book for the complete warranty terms and service conditions.

Please contact your local dealer for any questions regarding your Garia. To locate your nearest dealer, please visit www.garia.com

01 WARRANTY

2. SAFETY

It is important to read and understand this Garia car manual and all safety and instruction labels before the vehicle is first used.

2.1 GARIA LSV AND MONACO

- Read "Check-ups before use".
- The Garia LSV / Garia Monaco is constructed to operate at 40 KM/H (25 MPH).
- This vehicle is only to be driven by people with a valid driver's license.
- Always drive the vehicle from the driver's side only, and only in areas intended for the usage of this type of vehicle.
- The vehicle is equipped with seat belts. Always keep seat belts fastened whenever seated and the vehicle is in motion.
- Never allow more than one passenger in each seat. This vehicle is restricted to two (2) occupants including the driver.
- Do not operate while under the influence of alcohol and/or drugs.
- Do not make any modifications or additions to the vehicle influencing its loading capacity or safe use. Do not make any changes to the vehicle that are not in accordance with the user's manual.
- **Be aware that due to the quiet engine, pedestrians may have difficulties hearing the vehicle.**
- Be aware, when operating on public roads, that this vehicle offers significantly less crash protection compared to normal cars, vans, trucks or other motorized vehicles. This will result in a higher risk of injuries or death in collisions, at any speed especially in areas with heavy traffic or traffic with higher speeds.

2.2 GOLF CAR

- Read "Check-ups before use" which is found on the following pages of this manual, and perform these accordingly.
- This vehicle is only to be driven by people trained in and authorized to using this type of vehicle, always from the driver's side only and only in areas intended for the usage of this type of vehicle.
- Never allow more than one passenger in each seat. This vehicle is restricted to two (2) occupants including the driver.
- Do not operate while under the influence of alcohol and/or drugs.
- Do not drive the vehicle on public areas and roads. Some communities have special regulations about driving this type of vehicle on public streets, always be sure to observe the specific rules and regulations of the areas and communities where the vehicle is being used.
- Do not make any modifications or additions to the vehicle influencing its loading capacity or safe use. Do not make any changes to the vehicle that are not in accordance with this user's manual.

2.3 CHECK-UPS BEFORE USE

Before the vehicle is put into service, the below points of this section should always be followed to ensure the optimal, safe and correct operation of the vehicle. It is advisable to follow these points every time the vehicle is used.

Before using the vehicle, please check the following:

1. Batteries
2. Tire conditions
3. Body and chassis
4. Brakes
5. Steering
6. Reverse warning indicator (except Garia Monaco)
7. Pedal operation

2.3.1 BATTERIES

It is of great importance that the tire pressure is checked and adjusted regularly before using the vehicle.

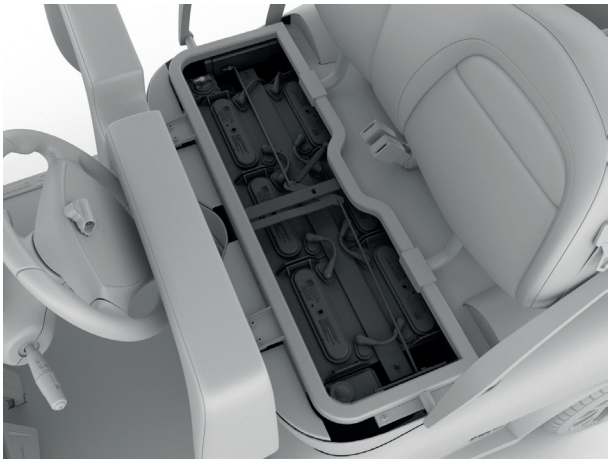


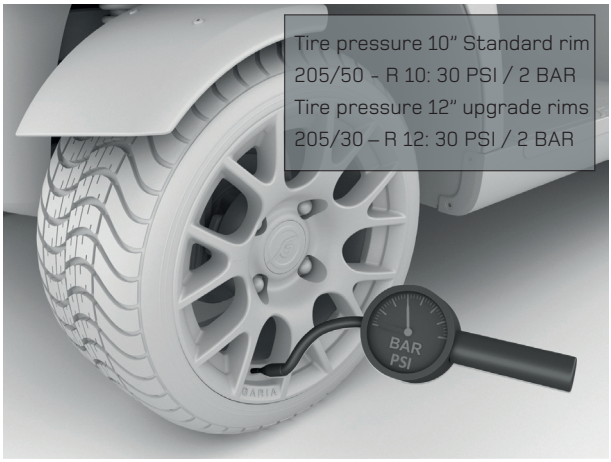
Fig. 2.1

- Check that all wires are connected and correctly mounted.
- Check that no corrosion is present on the battery poles.
- Check that the compartment is dry and free from acid or water spills.
- Check that batteries are placed correctly and held down by the battery bracket.

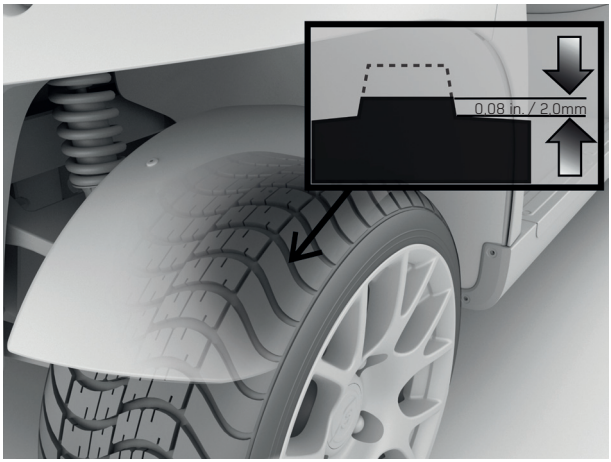
2.3.2 TIRE & PRESSURE CONDITIONS

2.3.3 CHECKING TIRE WEAR

Check tire surface for damages, cracks and foreign objects. When tire thread wears down to 2,0 mm (0,08 in.), it is recommended that the tire is replaced. Please check local legislation for minimum requirements of tire treads.



Monaco Fig. 2.2



Monaco Fig. 2.3

2.3.4 BODY AND CHASSIS

Always visually inspect the chassis and body to make sure that all chassis and body parts are present, correctly mounted and undamaged before using the vehicle.
Make sure that all electrical functions are working correctly. This includes:

- Headlamps, both high and low beam
- Position lights
- Turn signal indicators
- Horn
- Hazard lights
- Reflectors front and back (standard on LSV and Monaco)
- Windshield wiper/washer (standard on LSV and Monaco)

2.3.4 BRAKES

Always make sure that brakes are functioning correctly. Do not drive, if brakes are not functioning correctly.
When engaging the brake pedal, the pedal should show resistance after being depressed approximately 1/3 of its way. If it is possible to push the brake to the floor without any resistance, it is an indication of a malfunction in the braking system. Please consult a qualified repair shop immediately. It is recommended that repairs are provided by an Authorized Garia Service Dealer. The pedal should feel firm at all times and always return to its original position when released.

⚠WARNING

Always ensure that the ignition switch is turned “OFF” before the pedal operation is tested. Vehicle can accelerate abruptly if it is set to the “F” or “R” position and potentially cause severe injury to persons or damage to property. Do not drive if brakes are not working correctly.

2.3.5 STEERING

Golf Car Fig. 2.4

Check steering for excessive free play:

Before driving:

- Turn steering wheel slightly left and right.
- If too much free play is observed, or any unusual sounds appear from any of the components, consult a qualified repair shop. Garia recommends that maintenance is provided by an Authorized Garia Service Dealer.

2.3.6 REVERSE WARNING INDICATOR (EXCEPT GARIA MONACO)

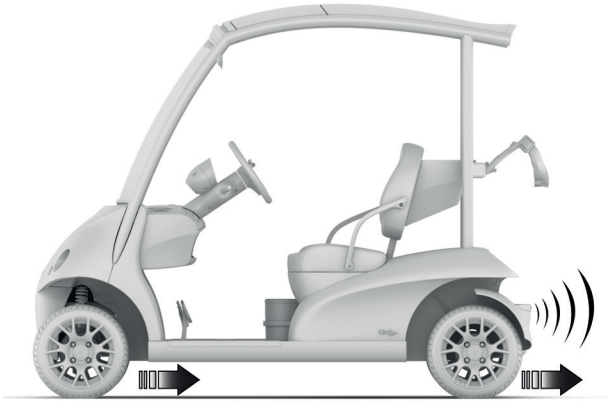


Fig. 2.5

Control the reverse warning indicator function by selecting ”R” on the ignition switch and reversing slowly. Make sure to operate safely and with sufficient space when reversing. The audio warning signal should be activated. If it does not activate, please consult a qualified repair shop. It is recommended that maintenance is provided by an Authorized Garia Service Dealer.

2.3.7 PEDAL OPERATION

Perform the following check on the pedal operation to ensure that pedals are working correctly as specified below.

⚠WARNING

Always ensure that the ignition switch is turned "OFF" before the pedal operation is tested. Vehicle can accelerate abruptly if it is set to the "F" or "R" position and potentially cause severe injury to persons or damage to property.

2.3.7.1 ACCELERATOR PEDAL

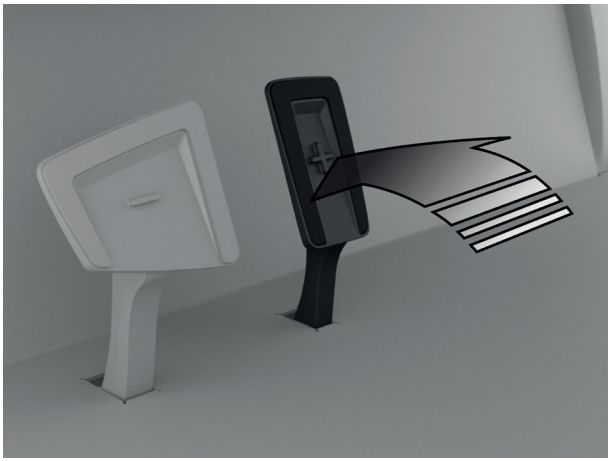


Fig. 2.6

Before driving, ensure that (with the igniton key turned to "OFF"):

- The accelerator pedal is working correctly and moving freely.
- The pedal returns to its original position when released. The original position is when the pedal is positioned as illustrated above.

2.3.7.2 BRAKE PEDAL

Fig. 2.7

Before driving, ensure that:

- The brake pedal feels firm and cannot be pressed more than 2/3 of the total pedal travel distance.
- The pedal returns to its original position when released. The original position is when the pedal is positioned as illustrated above.

⚠WARNING

Always ensure that the ignition switch is turned to "OFF" before the pedal operation is tested. The vehicle can accelerate abruptly if it is set to the "F" or "R" position and potentially cause severe injury to persons or damage to property.

2.4 DRIVING THE GARIA GOLF CAR

- Keep the entire body inside the vehicle at all times. Remain fully seated and hold on to speed handles or other objects while driving.
- Do not start vehicle until all passengers are fully seated.
- The driver must keep both hands on the steering wheel and the eyes focused in the direction in which the vehicle is driving.
- Show extra caution in populated areas or when reversing. Always reverse slowly and pay attention to the road and surroundings.
- Avoid accelerating or decelerating in an abrupt manner.
- Always adjust the speed to the current terrain.
- Drive slowly when making turns and when going up and down slopes. Never turn steering wheel sharply at high speeds.
- Never drive on slopes at an angle, use brakes to reduce speed when driving downhill.

Golf cars can cause serious injury or damage if used improperly or not maintained according to the vehicle's maintenance program. Before the vehicle is put into service, all necessary safety precautions must be taken and all the additional rules and regulations of the area where the vehicle is being used must be observed.

Golf cars should be safe to use as long as the safety precautions explained in this user's manual and on the vehicle are upheld. Make sure that the vehicle is always driven according to the current conditions, and adjust the speed and driving pattern according to the terrain in which the vehicle is currently moving.

It is expected that many vehicles will be used for a variety of tasks beyond the original intended use of the vehicle. As a consequence of this, it is impossible to anticipate and warn against every possible combination of circumstances that may occur. No warnings can take the place of good common sense and prudent driving practices.

2.4.1 DRIVING THE GARIA LSV AND MONACO

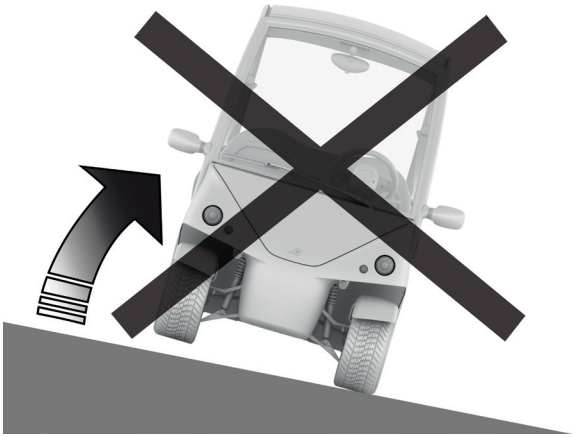
- Each driver must carry a valid driver's license.
- Keep entire body inside vehicle at all times. Remain fully seated and hold on to handles or other objects while driving.
- The vehicle is equipped with seat belts. Always keep seat belts fastened whenever seated.
- Follow all traffic regulations and obey all rules and regulations.
- Do not start vehicle until all passengers are fully seated and fastened.
- Do not carry children on laps or in children's seats, the vehicle is not constructed for transporting children requiring a child safety seat.
- Do not allow anyone to hang onto the vehicle at any time.
- The driver must keep both hands on the steering wheel and the eyes focused in the direction in which the vehicle is driving.
- Show extra caution in populated areas or when reversing. Always reverse slowly and pay attention to the road and surroundings.
- The vehicle might not be as visible in the night time as it is during the day. Always make sure to turn on the headlamps and tail lights whenever operating from dusk to dawn.
- Avoid accelerating or decelerating in an abrupt manner.
- Always adjust the speed to the terrain where the vehicle is currently used.
- Drive slowly when making turns and when going up or down slopes. Never turn steering wheel sharply at higher speeds to reduce the risk of the vehicle tipping over or to prevent possible injury to an unsuspecting passenger.
- Never drive up or down slopes at an angle, use brakes to reduce speed when driving downhill.

The Garia LSV and the Garia Monaco can cause serious injury or damage if used improperly or not maintained according to the vehicle's maintenance program. Before the vehicle is used, all necessary safety precautions must be taken and all the additional instructions of the area where the vehicle is used must be observed.

The Garia LSV and the Garia Monaco should be safe to use as long as the safety precautions explained in the user's manuals and on the vehicle are upheld. Make sure that you always drive according to the current conditions and adjust the speed and driving pattern according to the terrain in which the vehicle is moving.

It is expected that many Garia LSV / Garia Monaco vehicles will be used for a variety of tasks beyond the original intended use. As a consequence of this, it is impossible to anticipate and warn against every possible combination of circumstances that may occur. No warnings can take the place of good common sense and prudent driving practices.

2.4.2 DRIVING ON GOLF COURSES AND ROADS



Monaco Fig. 2.8

- Hills: Driving up and down steep hills and slopes should be avoided or, as a minimum, driven with the highest level of caution. If driving down hills or slopes is a necessity, do this as slowly as possible while braking with the brake pedal. Furthermore, driving must not be at an angle that makes the vehicle tilt sideways. **Warning:** Risk of falling out!
- Avoid parking the vehicle on hills or tilted at an angle. Always make sure to park the vehicle on as level grounds as possible.
- Sharp or blind curves: Use great caution around sharp or blind bends, adjust the speed, so the turn can be made in a safe manner. Be prepared to stop the vehicle or avoid possible obstacles if dangerous situations occur.
- Wet areas: Driving on wet grass or similar areas reduces the contact between the vehicle and the surface and can cause instability. Hence, always drive slowly and with caution, so you are always driving in a safe manner.

⚠WARNING

Always ensure to drive carefully at all times. Driving fast, irresponsibly or in any way not according to this user's manual can cause severe injuries or death to persons and property damage.

2.4.3 DRIVER QUALIFICATIONS

The driver of the vehicle should as a minimum have read this complete user's manual, have full knowledge and understanding of the use of this vehicle and be in possession of a valid driver's license for motor vehicles.
The driver is required to drive responsibly and safely, in order to avoid damage to property and/or injuries to others or him-/herself.
The driver must know about the rules and regulations for driving leisure vehicles in the area where the vehicle is operated, and must follow these at all times. No persons under the age of 16 shall be allowed to operate the vehicle.
In areas with pedestrians and other traffic, the driver must always exercise caution, drive slowly and pay attention to the surroundings.

For the Gaira LSV and the Garia Monaco it is a legal requirement that all drivers of these vehicles have a valid driver's license. The Garia LSV and the Garia Monaco are fitted with seat belts. It is required that these are fastened when the car is in motion.

2.4.4 SAFETY PRECAUTIONS WHEN MAINTAINING THE VEHICLE

When maintaining the vehicle, make sure to follow all safety precautions located on the vehicle, described in this user's manual, in the Garia Workshop Repair Manual and especially the following:

- Ensure that the vehicle has been properly secured and cannot move, when vehicle is being maintained.
- Ensure that the vehicle has the correct lifting support before any repair or maintenance is carried out.
- Avoid fire hazards and ensure that there is proper fire extinguishing equipment within reach.
- The electrical system must be disconnected before ANY work is carried out on this vehicle. (See chapter 4 for instructions on disconnecting power).
- Make sure that warning and information labels are in a readable condition. If any label needs replacing to make the vehicle conform to the correct safety standards, please consult a qualified repair shop. It is recommended that maintenance is provided by an Authorized Garia Service Dealer.
- Always use correct insulated tools when working on and around electrical installations, such as batteries, on the vehicle.
- Maintain all components that have an effect on safety and the safe operation of the vehicle. This particularly includes the brakes, steering and warning devices.

- After each repair, service or other maintenance, the vehicle must be test driven by qualified and authorized personnel on a specifically designated area, without pedestrians or other traffic, to ensure that the vehicle is adjusted correctly and functions as specified.
- Ensure that all maintenance service checks are filled out correctly in the Warranty and Service book supplied.

2.4.5 MAINTENANCE TO ENSURE SAFETY

To sustain safety it is important that the vehicle is maintained correctly. It is recommended to follow the below points in order to obtain the best possible safety:

- Maintenance is preventative: Always service and maintain the vehicle according to maintenance programs stated in this user's manual. By doing so, the car will attain the highest level of safety and the warranty will be upheld. (See chapter 6 and 7 of this manual). If the specified service intervals are not adhered to, all applicable warranties will be void.
- Repairs: Allow only qualified, educated and authorized personnel to inspect, service and repair the vehicle. All applicable warranties will be void, if repair procedures are not followed as described in the Garia Workshop Repair Manual.

2.4.6 TRANSPORT RECOMMENDATIONS

When transporting the Garia on a opentrailer it is recommended that the follow items are carefully uninstalled and stored saftly before transport can begin.

- Air scoop
- Waste bin
- Seat cusion

The optimal transport method is by using a closed trailer, this insures the quality of the vehicle at all time.

2.4.7 MIRRORS

The Garia LSV / Garia Monaco comes with factory fitted mirrors, adjustable for the optimal viewing conditions enhancing the safety while driving.
Adjust the rearview mirror before driving. Do not adjust mirrors while driving. This takes focus off the driving and can create dangerous situations.

Garia LSV Fig. 2.9

To adjust the mirrors, move the mirrors as described below:

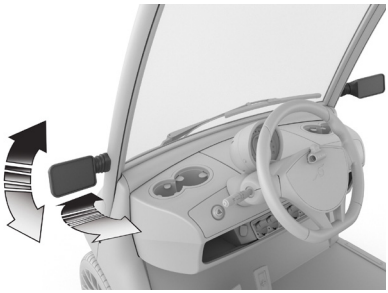


Fig. 2.10

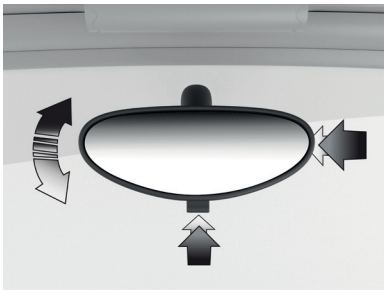


Fig. 2.11

⚠ CAUTION

Make sure not to bend the mirror excessively in any direction as this can cause permanent damage to the mirror.

2.4.8 SEAT BELTS GARIA LSV AND MONACO

The Garia LSV / Garia Monaco is equipped with three-point seat belts. Ensure that all passengers have their seat belts fastened before putting the vehicle into movement. The seat belt must at all times be worn tightly around the body. The seat belt shall **not** be tensioned around any other objects than the person wearing the seat belt, e.g. the armrest. Each seat belt assembly is constructed for **one** person only. Always make sure to follow these instructions and those located on the vehicle before operating the vehicle.

Note: If the passenger's feet are not touching the floor, make sure to show extra caution when operating the vehicle. Always make sure that children are completely secured from falling out of the vehicle before driving the vehicle.

⚠WARNING

ALWAYS wear seat belts correctly when driving. Failure to do so can cause serious injuries or death in case of an accident.

Fig. 2.12

Pull seat belt out in a straight way before placing it around the body. Use left seat belt for the left seat. Use right seat belt for the right side.

Fig. 2.13

Correct positioning, fasten seat belt. Ensure that the seat belt is secured tightly around the body. Do not allow seat belts to cross each other.

3. BATTERIES

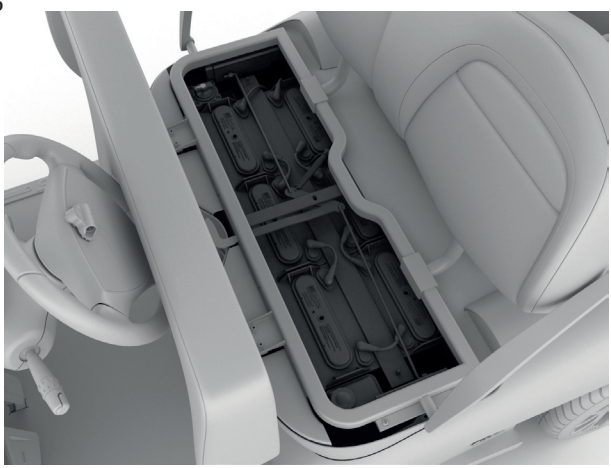


Fig. 3.1

3.1 BATTERY SAFETY WARNING AND INSTRUCTIONS

Please read and comply with all of the following safety-related instructions and warnings prior to operating and maintaining the batteries in this vehicle. Failure to comply with these instructions may result in serious personal injury, death and/or property damage.

⚠ DANGER

EXPLOSIVE GASES!
- Batteries generate explosive gases! Do not smoke in the vicinity of any batteries.
- Keep sparks and flames away from the batteries, vehicle and service area.
- Ventilate the area when charging batteries or operating a vehicle in an enclosed space.
- Wear a full face shield and rubber gloves when working on or near batteries.
- Keep flames, sparks, cigarettes and fire away from batteries at all times. The gas exhaust from the batteries causes fire and explosions. This will cause SERIOUS INJURY or DEATH.

RISK OF ELECTRIC SHOCK!
- The electricity stored in batteries can cause electric shock resulting in serious bodily injury or death, even at low voltages.
- Use insulated tools when working near batteries or electrical connections.
- Use extreme caution to avoid short circuiting of components or wiring.
- Do not wear metal jewelry such as rings, watches, chains, etc., when servicing the vehicle, watering system, battery or battery charger.

3.1.1 BATTERY SAFETY

- Check that all connections and battery cables are securely attached to the terminals and tightened according to specification; too loose or too tight connections can result in post breakages, meltdown or fire.
- To avoid short circuits do not place any objects on batteries or terminals.
- Keep sparks, flames and metal objects away from batteries.
- The electrolyte is a solution of acid and water, so avoid skin contact.
- If acid comes into contact with your skin or eyes, flush with water immediately and seek medical attention.
- Charge batteries in a well-ventilated area, as batteries produce gas fumes when charging. Lift seat cushion to vertical position when charging.
- Never add acid to the battery.

⚠WARNING

Battery electrolyte is poisonous and dangerous, causing severe burns or other damages. It contains sulfuric acid. Avoid contact with skin, eyes or clothing.
Do not transport, store, handle or operate batteries except in an upright position.
Wear a full face shield and rubber gloves when working on or near batteries.
Emergency treatment:
EXTERNAL: Flush with water immediately
INTERNAL: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Seek medical attention.
EYES: Flush with water for 15 minutes and acquire prompt medical attention.
Batteries produce explosive gases. Keep sparks, flames cigarettes or similar away from the batteries. Seek medical attention.

Always ensure proper ventilation when charging or using in enclosed space. Always shield eyes when working near batteries.

KEEP OUT OF REACH OF CHILDREN.

3.2 GENERAL INFORMATION

This Garia is equipped with six 8 Volt lead acid batteries providing power for the vehicle's operation. To ensure the best operation, always make sure that the vehicle is maintained according to specified maintenance intervals. The batteries used in this vehicle are Trojan® T-875 T2 Wet Lead Acid Cell Batteries. The batteries are made of 65% water and 35% acid with an electrolyte plate inside the battery.

3.3 CHARGING OF BATTERIES

Always follow the safety precautions mentioned below to avoid personal injury or death or property damage when maintaining or storing batteries:

- Always follow procedures that are in accordance with applicable laws and regulations when charging and using charging facilities.
- Periodically inspect the facilities and the procedures used when charging and storing batteries to ensure that the correct safety conditions are in place.
- The vehicle shall only be charged using a vehicle-specific Garia charging cable. The cable complies with the provisions of UL standards 2202.

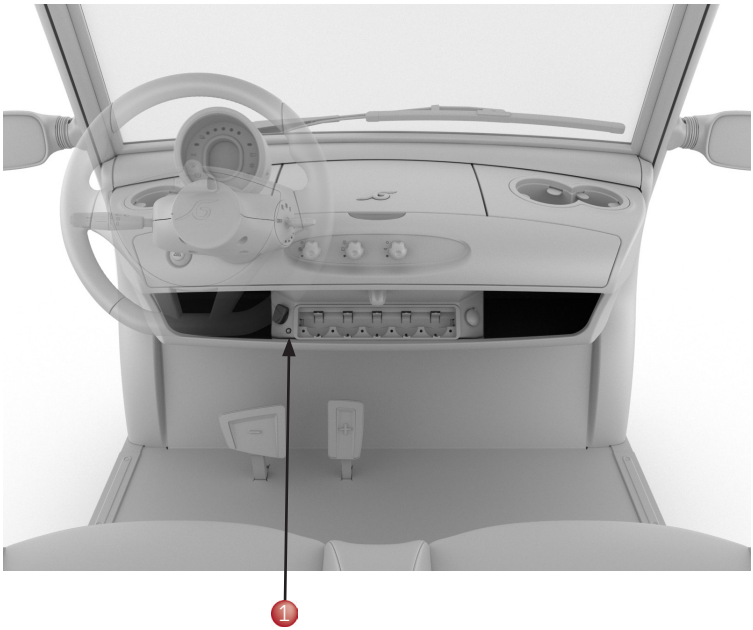
Only charge batteries with the integrated Delta-Q on-board charger. This charger is equipped with algorythms that allow the most optimal charging session at any state of charge. It is carefully designed for the vehicle's batteries. Do not attempt to charge batteries in any other ways than by using the integrated on-board charger. By using other chargers, the risk of over- and undercharging occurs, which can shorten the capacity of the batteries and potentially destroy them. The integrated on-board charger is programmed to maximize battery performance.

The optimal charging time depends on a range of different factors. It is expected that the battery can charge from a 30% state to a fully charged state in approximately 7 hours. This is, however, dependent on the weather conditions, the state of charge and the general condition of the batteries.

When charging batteries, please be aware of the following:

- Batteries should be fully charged after each use, if not this will damage the batteries over time.
- Lead acid batteries do not have a memory effect and therefore do not need to be fully discharged before recharging.
- Charge only in well-ventilated areas.
- The batteries will gas (bubble) towards the end of charge to ensure the electrolyte is properly mixed.
- Never charge a frozen battery.
- Avoid charging at temperatures above 120°F (49°C).
- Only apply distilled water after charging.

3.4 CHARGER LED



The charger LED is located to the right of the charger inlet plug in the dashboard. When connecting the charger cable the LED will blink red-yellow-green. This indicates that the DeltaQ charger has registered the power input and can start charging the batteries. When charging, and the voltage on the batteries is below 80% state, the charger LED will blink green repeatedly. When the total voltage exceeds 80% state of charge the LED will blink green slowly. When 100 % state of charge is reached, the LED will stay illuminated with the green color to indicate that the charging session is done.

In case of a charger malfunction the DeltaQ charger LED will blink red X amount of times indicating the fault code on the charger. If this happens please contact the nearest Garia dealer for further support.

3.5 EQUIPMENT FOR HANDLING BATTERIES

- Goggles, gloves and protective clothing: Always wear protective clothing, acid-proof gloves and goggles when handling lead acid batteries, and remove all jewelry. Batteries are corrosive and failure to follow the above-mentioned instructions may result in personal injury or death as lead acid can cause severe burns and destroy clothing. Jewelry is at risk if it comes in contact with the terminals of the battery. Metals in contact with battery poles can cause arcs which can result in severe personal injuries.
- Distilled or treated Water (i.e. de-ionized, reverse osmosis, etc.)
- Wrench with rubber handle
- Volt meter (for testing voltage)
- Retightening the battery posts is very important to insure that malfunctions are kept at a minimum. Always use a torque wrench to tighten the battery posts. The correct amount of torque is 12 Nm or 8.9 ft/lbs.

Handling of batteries should not occur if the user has no prior experience of handling batteries. Please refer to Trojan® Battery's website for more information regarding battery handling: www.TrojanBattery.com

⚠ CAUTION

Always keep baking soda and great amounts of water nearby. This will help neutralize any possible acid spills from battery openings and prevent corrosive damage on batteries and the vehicle. Avoid all skin contact with acid.

3.6 BATTERY MAINTENANCE AND CARE

Maintaining batteries properly includes always charging batteris after use, ensuring the correct level of fluid in the batteries as well as general removal of corrosion, dust, dirt and/or similar, apply anti-corrosion liquid if needed.

⚠WARNING

Watering a battery before charging (or with a low charge level) can lead to boil-over resulting in potential bodily injury and potential damage to the watering system, battery and vehicle.

Ensure that the work area is dry when servicing the vehicle, watering system, battery or battery charger.

3.6.1 WATERING BATTERIES

The batteries need to be watered periodically. The frequency depends upon battery usage and operating temperatures. Check new batteries every few weeks to determine the watering frequency of the vehicle. It is normal for batteries to require more watering as they age.
Depending on the local climate, charging methods, application, etc. it is recommended that batteries are checked at least once a month until they provide information on how often the batteries need refilling.

Important things to remember:
1. Do not fill the batteries with water before charging. This will increase risk of acid overflow from the battery, consequently losing capacity and causing corrosion.
2. Do not use water with a high mineral content. **Use distilled or deionized water only. Fully charge the batteries prior to adding water**. Only add water to discharged or partially charged batteries if the plates are exposed, and only until the plates are no longer exposed.

3.6.2 USING THE HYDROLINK™ ON–BOARD WATER FILLER SYSTEM

Lead acid batteries require frequent refilling of **distilled or deionized water**. The Garia is equipped with the Trojan® HydroLink™ Watering system, which eases the refilling of water to the batteries. An approved Flow-Rite water supply is required for correct refilling of the batteries.

Use only the approved Flow-Rite water supply that came with the vehicle. If the Flow-Rite water supply did not come with vehicle, please contact the nearest Garia dealer.

Use of unapproved water supply or modification of approved water supply can lead to system failure and will void applicable warranties.
Only fill batteries after they have been fully charged and require water. Watering a battery before charge (or with a low charge level) can lead to boil-over, resulting in potential bodily injury and potential damage to the watering system, battery and vehicle.

⚠WARNING

If at any time during the filling process a valve failure occurs, disconnect immediately or too much water may be added to the cell. This can cause the battery to overflow acid, causing corrosion and potential personal injury or damage to batteries.

3.6.3 USING THE FLOW-RITE HAND PUMP

To operate the hand pump enclosed for watering the batteries, please follow the procedure below.

Note: Other Flow-Rite products recommended for the Trojan® HydroLink™ Watering system can also be used. Please see www.flow-rite.com for more information.

STEP 1
Check hand pump for proper operation.
Insert the hand pump filler assembly into a jug of distilled water. Prime bulb by squeezing until it is filled with water.
Ensure that the device is free of holes or other defects.

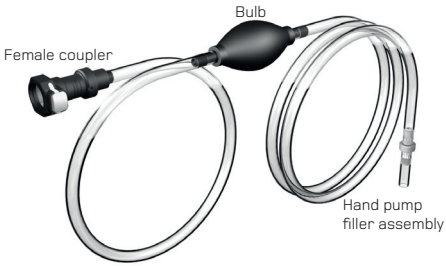


Fig. 3.2

STEP 2
Remove the dust cover on the battery hose.

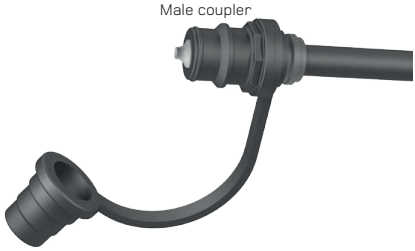


Fig. 3.3

STEP 3
Mate Couplers
Insert the male coupler on the HydroLink™ Watering System into the female coupler on the Flow-Rite Hand pump.

Fig. 3.4

STEP 4
Fill water to batteries.
Squeeze the bulb with firm pressure to begin pumping water into the battery cells. When the bulb becomes firm, all cells are full and filling is complete.

Fig. 3.5

STEP 5
Disconnect.
When the bulb becomes firm, and not before, immediately disconnect the couplers by depressing the push button on the female coupler. Disconnecting before the bulb becomes firm will lead to underfilled cells that will impact the battery's performance and shorten its life.

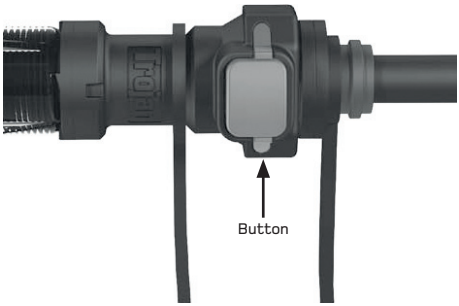


Fig. 3.6

STEP 6
Replace dust cover.
Place dust cover back over the male coupler. Do not push cover past the large barb on the coupler.
TIP: If the dust cover is slightly squeezed when sliding it over the coupler, it will create a vacuum, allowing it to hold tightly.

Fig. 3.7

3.6.4 PREVENTIVE MAINTENANCE

Inspection of batteries

- Examine the outside appearance of the battery. Check the tops of the battery and terminals. These need to be clean, free of dirt, debris and corrosion.
- Make sure the outside of the batteries remain dry at all times.
- If any fluids are present on the battery top, this could indicate that the battery is being over-watered or that a malfunction in the Trojan® HydroLink™ System has appeared. If so, contact your local repair shop, as there may be a problem with the installation and it needs to be serviced. Only allow a trained battery service technician to service batteries. It is recommended that battery maintenance is provided by a trained Authorized Garia Service Dealer in order to ensure the best possible treatment of the vehicle.
  Check battery cables and connections, ensure that all connections are in good working order and replace connections that are damaged and/or worn. Tighten all loose connections. It is recommended that battery maintenance is provided by a trained Authorized Garia Service Dealer in order to ensure the best possible treatment of the vehicle.
- Electrolyte levels: It is recommended that the electrolyte levels are checked in each cell after the system has been installed and operational for three months. Use the 'Independent Water Level Indicator' to check the electrolyte levels. HydroLink™ comes with an Independent, non-mechanical Water Level Indicator that is simple to read: white means that the battery needs water and black means that the battery has enough water.

Independent Water Level Indicator
Trojan
BATTERY COMPANY
HydroLink™
Watering System
DEEP CYCLE BATTERIES NEED WATER
1. To avoid spillage, battery MUST be fully charged before watering
2. Check Liquid Level indicator at least every two weeks
Black color = battery has water
White color = battery needs water

Fig. 3.8

Your HydroLink™ Watering System requires regular preventative maintenance on at least a quarterly basis.
Inspect the condition of all tubing connections and couplers and the water filling system. Make sure that all parts are in good working condition, leak free and properly connected. The coupler must have an O-ring and dust cover properly attached.

3.6.5 CLEANING BATTERIES

- Clean the top of the battery, the terminals, and all connections with a cloth or brush with a solution of baking soda and water (ensure that none of the baking soda solution gets inside of the battery). Use 1lb of baking soda for 1 gallon of water (120g for 1 liter of water).
- Rinse with plain water and dry the battery
- If possible, add a thin layer of terminal protector (Available at most battery dealers or auto parts stores).
- Always keep batteries dry and clean.

3.6.6 Removing corrosion from battery poles

Make sure that the poles and the surface of batteries are clean at all times. To remove corrosion, add a solution of water and baking soda. Use 1lb of baking soda for 1 gallon of water (120g for 1 liter of water). Do not allow any cleaning solution to enter the battery cells. If baking soda is not available, a terminal brush can be used to clean the battery poles. Terminal brushes are available at most local hardware supplies.

3.7 STORAGE OF BATTERIES

- Plug the charger in when the car is in storage. The charger automatically maintenance charges the batteries.
- Store in a cool, dry place, protected from elements that can damage batteries.
- Disconnect external equipment to eliminate potential electric loads that may discharge the battery.
- Batteries gradually self-discharge during storage. Monitor the specific gravity or voltage every 4-6 weeks. Stored batteries should be given a boost charge when they are at 70% state of charge (SOC) or less.
- When batteries are taken out of storage, recharge before use.

3.7.1 STORAGE IN HOT ENVIRONMENTS (HIGHER THAN 90°F (32°C))

If possible, avoid direct exposure to heat sources during storage. Batteries self-discharge faster in high temperatures. If batteries are stored during hot summer months, monitor the specific gravity or voltage more frequently (approximately every 2-4 weeks).

3.7.2 STORAGE IN COLD ENVIRONMENTS (LESS THAN 32°F (0°C))

If possible, avoid locations where freezing temperatures are expected during storage. Batteries can freeze in cold temperatures if they are not fully charged. If batteries are stored during cold periods, it is critical that they are kept fully charged. Never charge a frozen battery.

3.7.3 WATER SUPPLIES

Water supplies must be drained and stored in an empty state if they will be exposed to freezing temperatures. Failure to do so can cause permanent damage to the watering supply.

3.7.4 WATERING SYSTEM

If the vehicle is taken out of service or put into storage for a period of 6 weeks or longer, the HydroLink™ Watering System will require seasonal maintenance. No special steps need to be taken for winterization of a HydroLink™ Watering System that is installed on the batteries; however, the following steps need to be made when bringing the vehicle back into service:

- After the batteries have been fully charged/equalized, check the HydroLink™ water level indicator on each battery and refill water if needed.
- Return the vehicle to its regular service.
- Restart the vehicle's regular watering schedule (waiting at least 1 week until next watering).

3.8 GENERAL INFORMATION ABOUT TROJAN® T–875 BATTERIES

- A new battery will not deliver its full rated capacity. This is normal and should be expected as the battery needs to be 'worked up' over time.
- Trojan® batteries take between 50-100 cycles to 'work up' before providing full peak capacity.
- When operating batteries at temperatures below 80°F (27°C), they will deliver less than the rated capacity. For example at 0°F (-18°C), batteries will deliver 50% of its capacity, and at 80°F (27°C) the battery will deliver 100% of its capacity.
- When operating batteries at temperatures above 80°F (27°C), they will deliver more than the rated capacity, but the life of the batteries will be reduced.

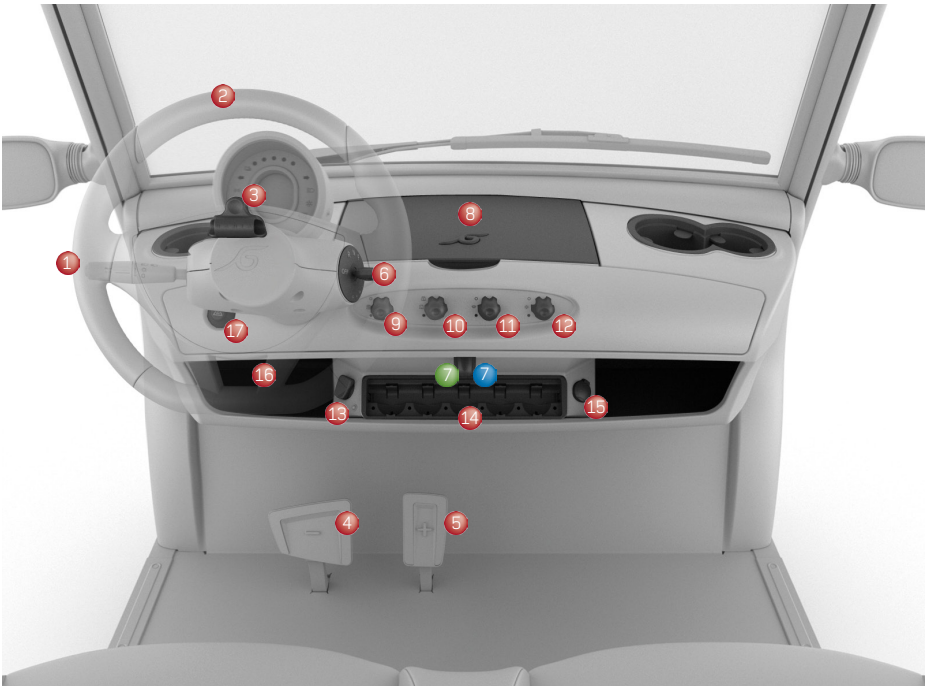
The lifetime of a battery can be difficult to predict as, among other things, it varies with charging cycles, frequency of usage and level of maintenance.

For further information regarding Trojan® batteries, please refer to Trojan® Battery's official website: www.TrojanBattery.com
For further information regarding the HydroLink™ Watering system with Snake™ Tubing, please refer to Trojan® Battery's official website: www.TrojanBattery.com

4. OPERATION

4.1 OVERVIEW

- Standard or upgrade
- Standard on LSV
- Standard on Monaco



Monaco Fig. 4.1

1. Indicator stalk
2. Steering wheel
3. Instrument cluster
4. Brake pedal
5. Accelerator pedal
6. Ignition switch
7. Speed switch (standard on LSV and Monaco
8. Refrigerator unit
9. Heated windscreen switch (upgrade)
10. Wiper and washer switch (upgrade)
11. Interior light switch (upgrade)
12. Refrigerator switch (upgrade)
13. Charger plug with LED
14. Ball holder
15. 12 V output
16. Bonnet switch
17. Hazard light switch

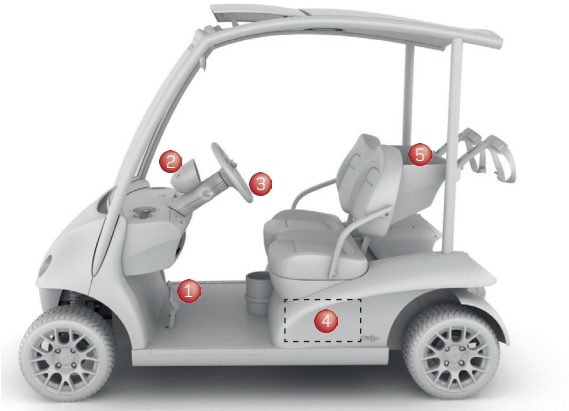
4.2 OVERVIEW GOLF CAR

1. Front wheel
2. Bonnet
3. Headlight
4. Air scoop
5. Roof
6. Seats
7. Rearview mirror

Golf car Fig. 4.2

1. Speed handles
2. Rear wing
3. Mudguard rear
4. Load area
5. Rear lights
6. Rear bumper
7. Bag holders

Golf car Fig. 4.3



1. Pedals
2. Instrument cluster
3. Steering wheel
4. Batteries
5. Utility box

Golf car Fig. 4.4

4.3 OVERVIEW LSV

1. LED turn signal
2. SAE approved head lights
3. SAE approved front reflector on A-pillar
4. 3-point seat belts
5. Rear wheel protector

LSV Fig. 4.2

1. Sideview mirrors
2. Rear reflector on B-pillar
3. SAE approved LED tail lights
4. Rear license plate holder

LSV Fig. 4.3

4.4 OVERVIEW MONACO

Monaco Fig. 4.2

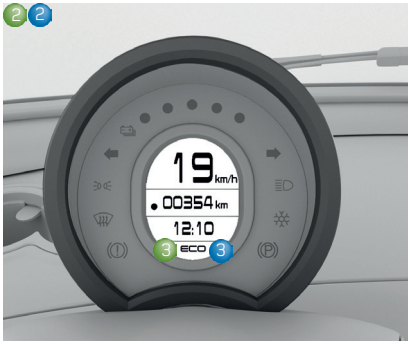
1. E-marked turnsignal light
2. E-marked position light
3. E-marked front lights
4. E-marked sideview mirrors
5. E-marked 3-point seat belt
6. Rear wheel protector

Monaco Fig. 4.3

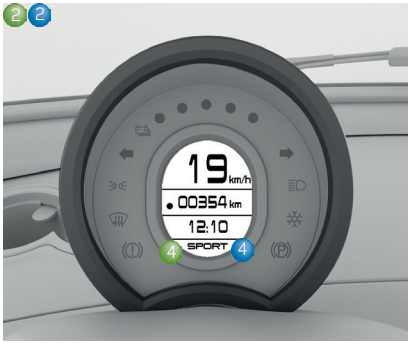
1. Front mudguard
2. E-marked rear lights
3. E-marked reflector
4. License plate holder with E-marked light

4.5 SPEED SWITCH (STANDARD ON LSV AND MONACO)

Monaco Fig. 4.5



Monaco Fig. 4.6



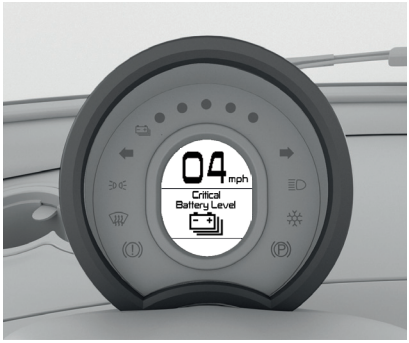
Monaco Fig. 4.7

Speed switch functions:

The Garia LSV / Garia Monaco is equipped with a speed switch to change between Garia ECO mode and Garia SPORT mode, making driving on golf courses more convenient, since the vehicle accelerates softer and reaches a speed of 16 mph / 25km/h. Change the switch to SPORT mode and the vehicle can reach a speed of 25mph / 40km/h, and the vehicle will accelerate faster.
The speed switch position is in the cluster in the lower section of the display, where the term ECO is displayed when the switch is turned to the left, in ECO mode. The term SPORT will be displayed when the switch is turned to the right, in SPORT mode.

4.6 INSTRUMENT CLUSTER NOTIFICATIONS

4.6.1 CRITICAL BATTERY LEVEL

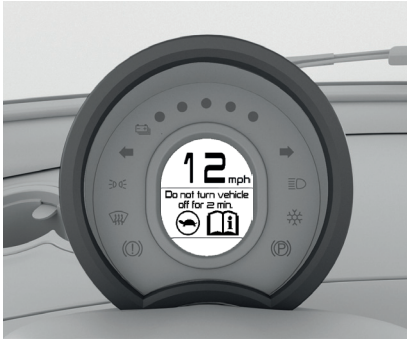


Critical battery level: This appears in cluster when the vehicle has a minimum range left and can only drive in limp mode at 4 Mph / 6 Kph. The vehicle requires charging urgently.

4.6.2 CURRENTLY NO MESSAGES

When pressing the right button on the cluster it is possible to reveiw all active messages.

4.6.3 DO NOT TURN VEHICLE OFF FOR 2 MIN

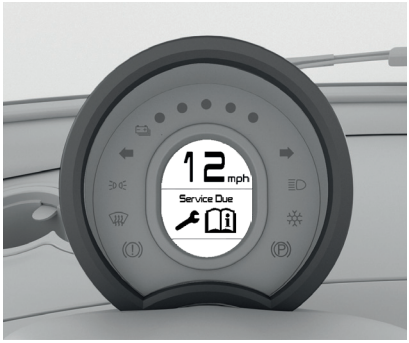


This message is important to respect. The vehicle requires a “cooldown” period of 2 minutes, due to seriously heavy use. After two minutes the vehicle will return to normal operation. The reason for this function is to avoid overloading of important electrical components in the drive system.

4.6.4 REDUCED POWER

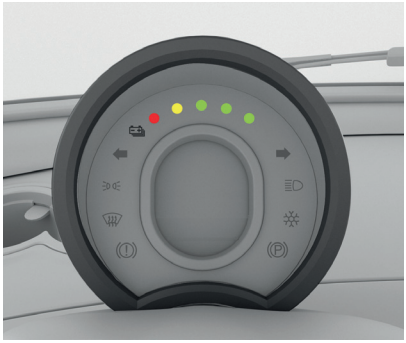
Reduce speed for a short period of time, and the vehicle will return to normal operation.

4.6.5 SERVICE DUE



The service due notification will appear when the vehicle has reached the milage or hour limit. Please contact the nearest Garia dealer to get the service carried out accordingly.

4.6.6 BATTERY DISCHARGE INDICATOR



Icon	Led's	State of charge in procent %	
		80 %	100 %
		60 %	80 %
		40 %	60 %
		20 %	40 %
		5 %	20 %
		1 %	5 %

4.7 IGNITION SWITCH

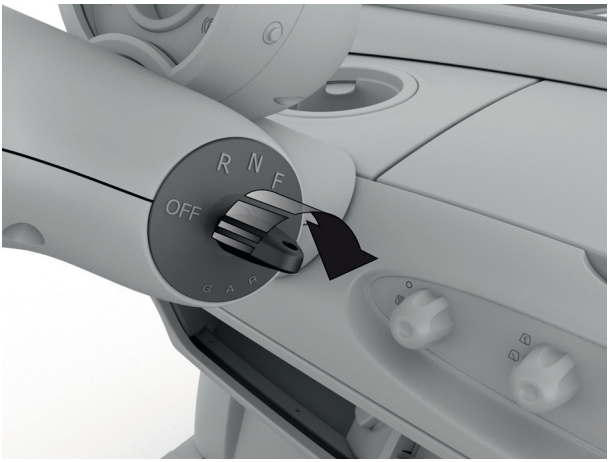


Fig. 4.7

Ignition switch functions:

OFF: Most electrical applications are disabled. The refrigerator will function for an additional two hours (the timer function is adjustable, please contact your dealer for more information), if activated whilst the ignition switch is turned to "R.N.F". The interior light and the 12V plug will still be functioning.The key can be removed in this position.

R: Reverse. When the accelerator pedal is engaged, the parking brake releases automatically. The vehicle reverses. All electrical functions are in function (affecting battery power). **Note:** To reverse, turn key to N before turning to R.The reverse warning indicator is activated when vehicle is reversing (except Monaco).

N: Neutral. The parking brake is engaged when the vehicle comes to a full stop. The vehicle can be temporarily parked, all electrical applications are in function (affecting battery power).

F: Forward, when the accelerator pedal is engaged, the parking brake releases automatically. The vehicle drives forward. All electrical functions are in function. (affecting battery power).

⚠WARNING

Never push the accelerator pedal when turning the ignition key. The vehicle may move suddenly if not operated correctly.

4.8 MAIN POWER SWITCH

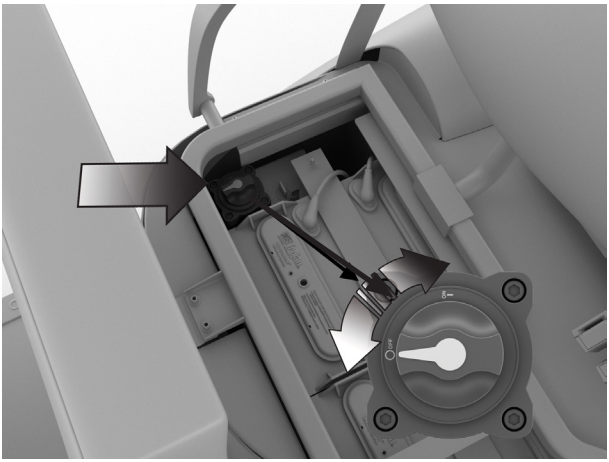


Fig. 4.8

The main power switch is located on the right side of the battery compartment. The switch disables all electrical functions except the automatic parking brake, the ability to charge the vehicle and the back-up power for the instrument cluster unit.
When storing the vehicle for longer periods of time, it is recommended that the main power is switched off, in order to experience as little discharging as possible.
When servicing or repairing the vehicle (especially the electrical system) always turn main power switch to "OFF".

IMPORTANT NOTE

NEVER LEAVE THE VEHICLE IN THE TOW FUNCTION. THIS WILL DRAIN THE BATTERIES AND PERMANENTLY DAMAGE THE BATTERIES.

⚠WARNING

Serious injuries can occur when working on the electrical system, if the main power switch is turned to "ON". Always turn main power switch to "OFF" before working on the electrical system of the vehicle.

4.9 PARKING BRAKE

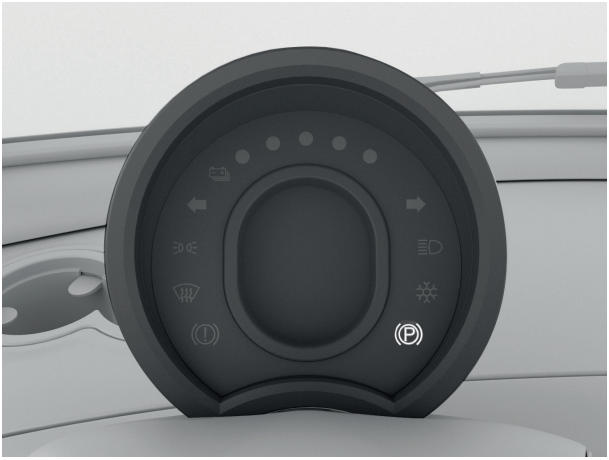


Fig. 4.9

This vehicle is equipped with an automatic parking brake system. When the vehicle comes to a halt, the automatic parking brake will engage automatically after a short delay (2-3 seconds). Until the parking brake is activated, an applied motor brake will keep the vehicle steady until the parking brake is activated.
When the car starts moving in response to the accelerator pedal, the parking brake will release automatically. The automatic parking brake can be switched off for towing or repairing needs, however, note that this also disables most electrical functions on the vehicle.

When the vehicle is not driving, the parking brake symbol appears in the instrument cluster, unless the vehicle power has been turned off by either the ignition or main power switch. The parking brake will still be activated when vehicle power is turned off, although this does not appear in the instrument cluster.
If the parking brake is not functioning as described above, ensure that a qualified repair shop performs a parking brake check. Garia recommends that service is provided by an Authorized Garia Service Dealer.

4.10 DRIVING, ACCELERATING

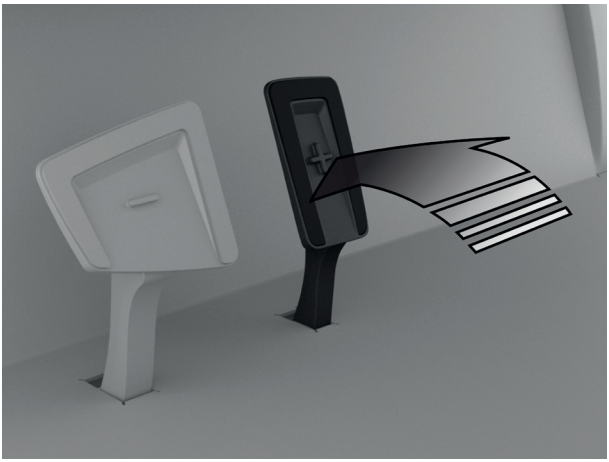


Fig. 4.10

1. Turn Main power switch to "ON"
2. Push the brake pedal and select "**N**", and then "**F**" for driving forward (or "**R**" for reversing).
3. Make sure that no people or obstacles are in the risk of being injured or damaged by the vehicle. Push the accelerator pedal very gently and the vehicle will start to move. Always accelerate carefully.

⚠ CAUTION

Never bring the vehicle to a halt while using the accelerator. Always use brakes to prevent the vehicle from moving.

NOTE

When accelerator pedal is engaged, the parking brake will release automatically.

4.11 STOPPING, BRAKING

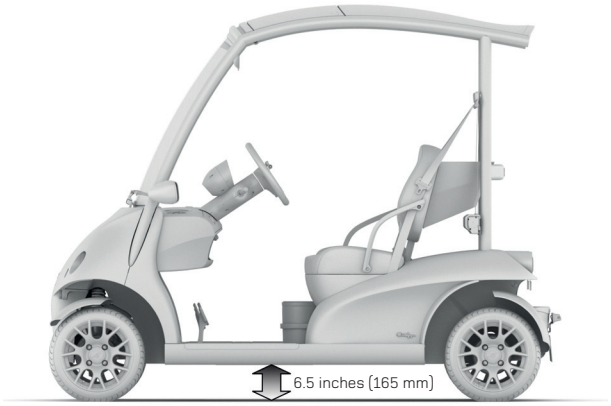
Fig. 4.11

To brake or stop the vehicle, push the brake pedal carefully. The vehicle will gently come to a halt. When the vehicle has come to a full stop, the automatic parking brake will engage. The vehicle will not move until the accelerator pedal is engaged.
If an emergency occurs, the brakes are designed to handle an emergency braking incident. However, after any emergency braking incident, carry out a brake maintenance check. Please consult a qualified repair shop. Garia recommends that maintenance is provided by an Authorized Garia Service Dealer.

⚠WARNING

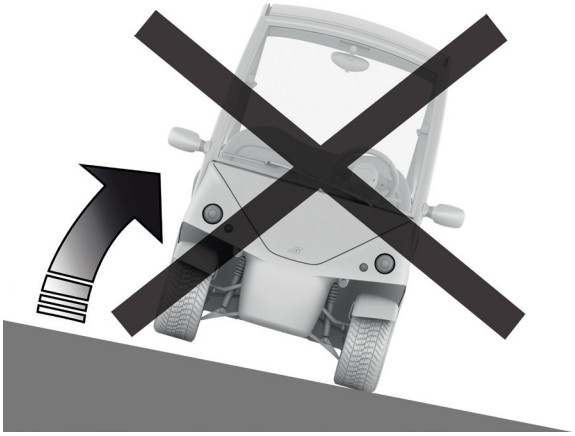
Any damage or malfunction on the braking system can result in severe injury or death. Always make sure that the brakes are fully functioning.

4.12 ROUGH TERRAIN DRIVING



Garia Monaco Fig. 4.12

Always make sure that the greatest precautions are taken when driving in rough terrains. The vehicle's ground clearance is 6.5 inches (approx. 165 mm). Always drive slowly and always be ready to stop. Rough terrain driving can cause situations that are damaging to the vehicle, therefore always drive very cautiously. Avoid driving in hilly areas and at tilted angles. The weight distribution of the vehicle can cause it to tip unexpectedly when placing the vehicle at excessive tilted angles. The vehicle is not constructed for rough terrain use and this should be avoided as much as possible.



Garia Monaco Fig. 4.13

4.13 HILL HOLD AND ROLL BACK

The Garia features a hill hold function which keeps the vehicle at steady speeds when starting and stopping on a slope.
When stopping, the motor will keep the vehicle steady for two (2-3) seconds before the parking brake engages.
If the ignition switch is not turned off, the vehicle will remember the amount of torque added when stopping, and apply the same amount of torque when starting again to ensure a smooth start and a limited roll back.
Should motor stall appear, the parking brake will engage immediately and the controller will need to be reset with the key switch to "OFF", following to "N" and finally to "F" to start driving forward (or "R" for reversing).

4.14 EMERGENCY BRAKING

If the key switch is turned into the "OFF" position when the vehicle is moving, motor braking will stop the vehicle immediately. This type of braking can cause personal injury. The parking brake will be engaged when the vehicle has come to a full stop.

NOTE: This type of braking is for **emergency use only**; should the service brake fail. It can potentially cause personal injuries or damage to the drive train or tires of the vehicle.

After any emergency braking incident, please contact a qualified repair shop for a brake safety and function check. It is recommended that maintenance is provided by an Authorized Garia Service Dealer.

⚠WARNING

Risk of personal injury!
Brake lights will not come on when performing emergency or motor braking. Only perform this type of braking when you can closely follow the traffic around you, and only in emergency situations.
Any damage to or malfunction of the braking system can result in severe injury or death. Always make sure that the brakes are fully functioning.

4.15 MOTOR BRAKING

The Garia vehicle is equipped with a motor brake function allowing the user to brake and stop the vehicle without activating the service brake. It is recommended only to use the motor braking function in controlled emergency braking situations.
How to use the motor brake when driving forward:

- Turn key switch to “R”.
- Release accelerator pedal.
- Push accelerator pedal.
- Depending on how much the accelerator pedal is pushed, the motor brakes accordingly.
- Vehicle comes to a full stop.
- For reversing, release and push accelerator pedal again.

If the situation occurs when the vehicle is reversing, follow the above-mentioned steps, only by turning the key switch to “F” instead of “R”.

4.16 BRAKING WITH THE PARKING BRAKE

If the parking brake should engage while driving at higher speeds than 6 mph (10 km/h) please contact a qualified repair shop for a parking brake safety and function check. Parking brake performance degradation can occur if it has been subject to unintended use. It is recommended that maintenance is provided by an Authorized Garia Service Dealer.

⚠WARNING

Risk of personal injury! This tool is for emergency braking only.
Brake lights will not come on when performing emergency or motor braking. Only perform this type of braking when you can closely follow the traffic around you, and only in emergency situations.
Any damage to or malfunction of the braking system can result in severe injury or death. Always make sure that the brakes are fully functioning.

5. VEHICLE EQUIPMENT

5.1 Dashboard overview

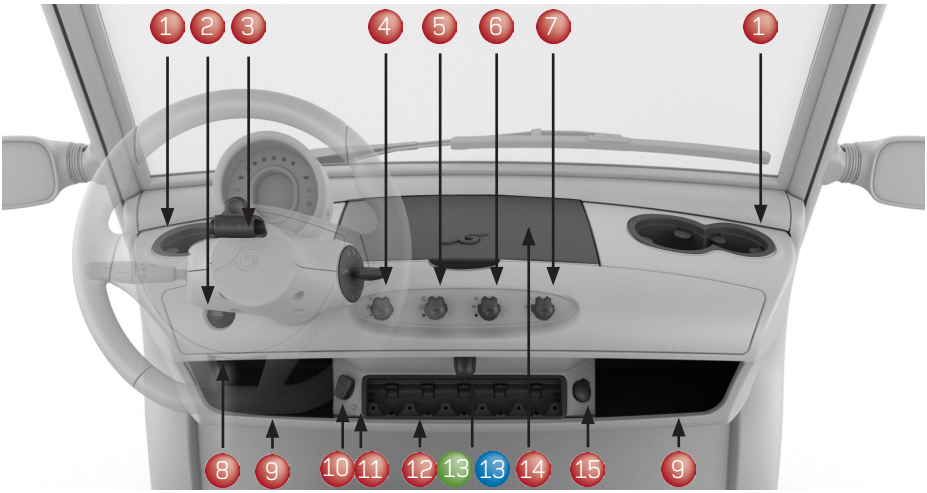


Fig. 5.1

1. Cup holders, two in each side
2. Hazard light switch
3. Steering wheel: pen holder and scorecard holder
4. Heated windshield switch (upgrade / standard on LSV and Monaco)
5. Windshield wiper/washer switch (upgrade / standard on LSV and Monaco)
6. Interior light switch (upgrade / standard on LSV and Monaco I)
7. Refrigerator switch (upgrade)
8. Button for opening the front bonnet
9. Storage space, left and right in dashboard
10. Charger inlet. For charging of batteries
11. Charger LED
12. Golf ball and tee holder
13. Speed switch (standard on LSV and Monaco)
14. Storage room lid (refrigerator lid, if chosen as upgrade)
15. 12V electrical outlet

5.2 Seats

Monaco Fig. 5.2

5.2.2 Below the seats:

The battery compartment is located below the seats. This contains the main power switch, the towing switch, the batteries, the brake fluid container and the VIN (vehicle identification number). For access to the battery compartment, tip the seat as shown in fig. 5.2. Please see chapter 3 for information regarding the batteries.

5.3 Instrument cluster functions and warning lamps

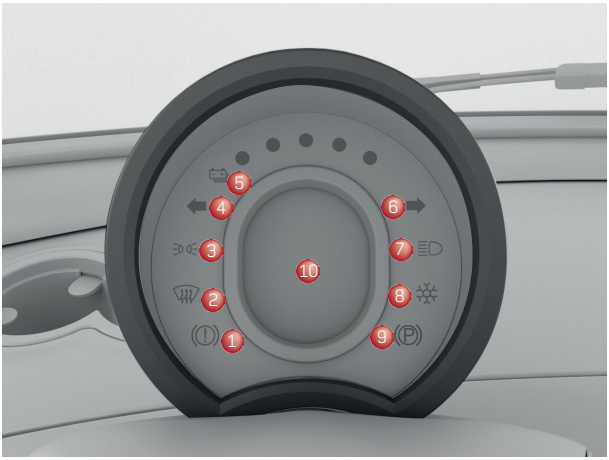


Fig. 5.3

The instrument cluster unit combines all the information about the vehicle that the driver needs for proper operation. If front lights are turned on, the cluster will automatically dim the display creating a more comfortable drive.

1. Brake fluid level warning indicator
2. Heated windshield
3. Position light
4. Turn signal, left
5. Battery charge indicator
6. Turn signal, right
7. High beam
8. Refrigerator
9. Parking brake activated
10. Digital display

5.3.1 Inner cluster

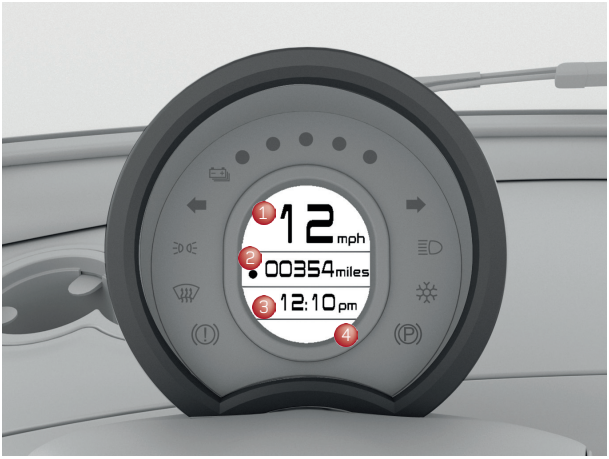


Fig. 5.4

1. Speedometer
2. Odometer, trip counter,operation counter
3. Clock
4. Speed switch position (standard on LSV and Monaco)

5.3.2 Button on instrument cluster (left)

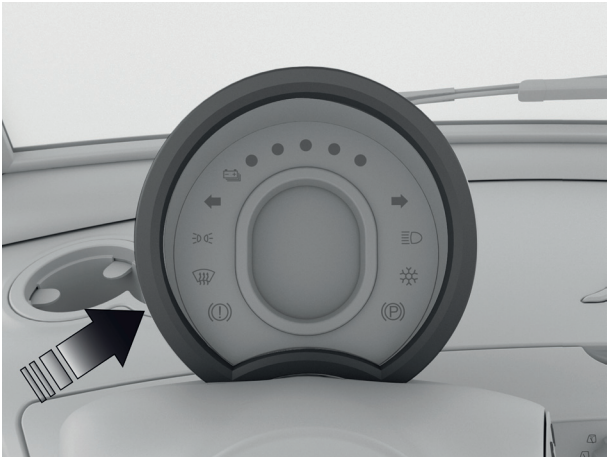


Fig. 5.5

1. Push button to change between overall distance and time as well as trip distance and trip time.
2. Hold button down to reset trip distance and trip time (approx. 3 seconds).

5.3.3 Button on instrument cluster (right)

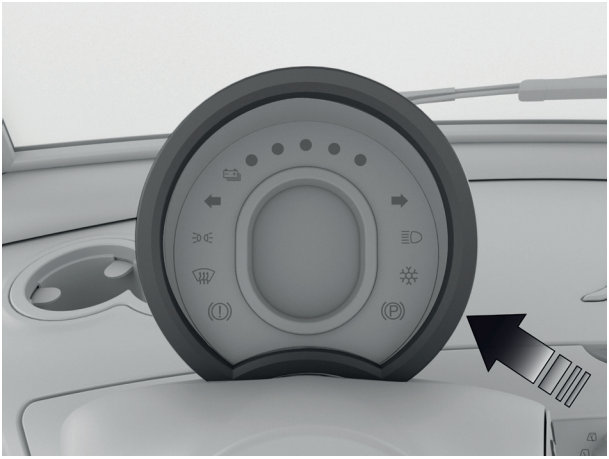


Fig. 5.6

The button on the right side of the instrument cluster adjusts the clock. To adjust, hold down the button on the right side of the instrument cluster.

- Hours will blink. Push repeatedly to set hours.
- Wait for approximately 5 seconds.
- Minutes start blinking. Push repeatedly to set minutes.
- Wait until minutes stop blinking (approx. 5 seconds).
- Clock is set.

5.4 Indicator stalk

Indicator stalk overview:

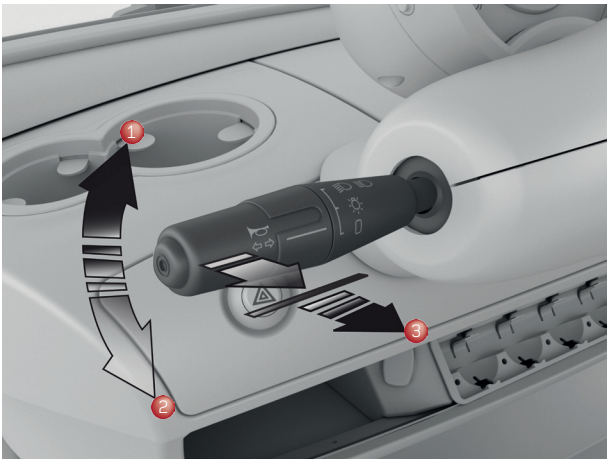


Fig. 5.7

Fig. 5.8

1. Turn signal, right
2. Turn signal, left
3. High beam on / off (can only be activated when 4 is in third position)
4. Light off / position light / low beam on (when activated the light in the instrument cluster will automatically dim).
5. Horn

5.5 Air scoop

5.5.1 Opening and closing the air scoop

Fig. 5.9

The Garia is equipped with an air scoop which channels fresh air into the cabin while driving. The air scoop is adjustable in steps and also fully removable.

To open the air scoop, push the lever upwards. The air scoop can be opened in 2 different angles depending on the preferred airflow. To close the air scoop, pull the lever downwards, and the air scoop will close.

5.5.2 REMOVING THE AIR SCOOP

To fully remove the air scoop, open the air scoop to its maximum position, push the

Fig. 5.10

center lever to pull out the handle as illustrated, and then lift the air scoop out of its hinges.

To re-install the air scoop, carefully place the air scoop back in the rear hinges and push the handle into the roof frame until it locks (see Fig 5.10).

5.6 Storage room under bonnet

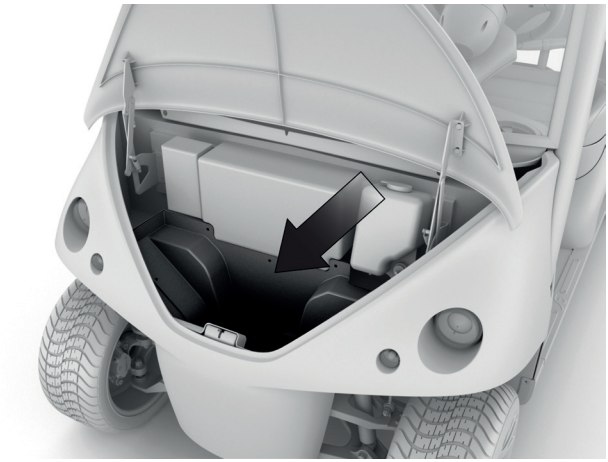


Fig. 5.11

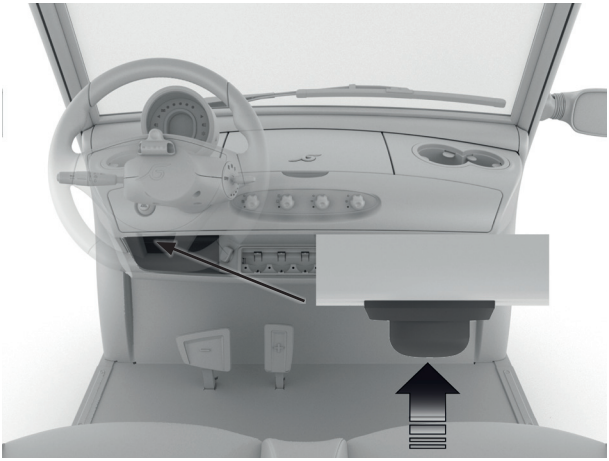


Fig. 5.12

The Garia is equipped with a lockable storage compartment under the bonnet.
To open the bonnet, push the bonnet button on the dashboard. The bonnet can be opened by pushing the button under the dashboard as illustrated in figure 5.12, only when the ignition switch is in “R,N,F” and the main power switch is turned to “ON”.

- **Do not drive while bonnet is open.**
- **Do not open bonnet while driving.**

5.7 Bin

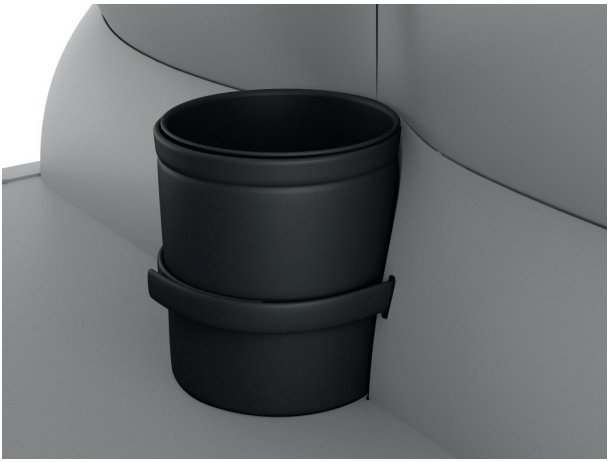


Fig. 5.13

This bin may be used for storing beverages. It may also function as a trash can. The plastic insert is removable and the complete bin can be removed by opening the bin strap.

NOTE: Be careful not to pull out the bin strap.

⚠WARNING

NEVER operate a vehicle under the influence of alcohol and/or drugs. Driving under the influence of alcohol or drugs considerably reduces the ability to concentrate, focus, judge speed and distance, and may result in severe personal injury, death or excessive material damage.
Garia strongely discourages the operation of any vehicle while intoxicated by alcohol, drugs or similar.

5.8 Multi-functional rear section

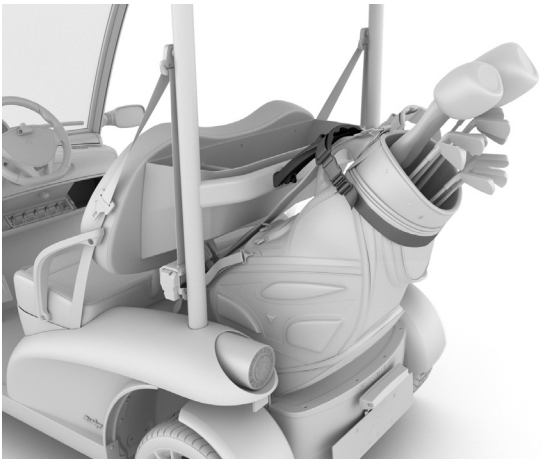


Fig. 5.14

5.8.1 Standard bag holder (except Monaco)

The Garia bag holder system allows convenient transportation of two golf bags with easy access to golf clubs and pockets on the bags.

Place golf bags in an angled position and tighten the straps to secure the golf bags during transportation.

⚠ CAUTION

When driving with golf bags please be aware that the total length of the car is increased and may cause dangerous situations which can cause material damage.

5.9 Adjusting rearview mirror

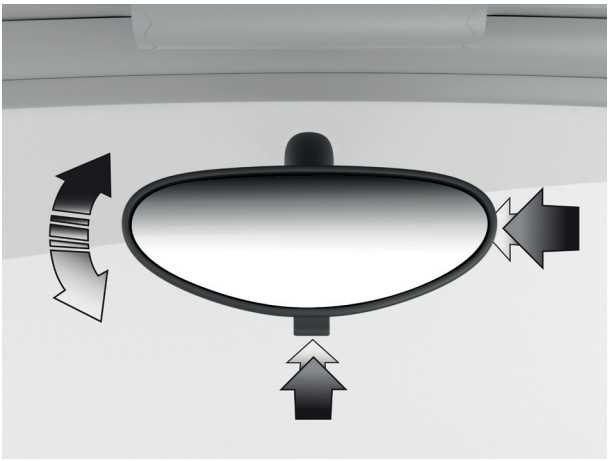


Fig. 5.15

Adjust the rear view mirror to ensure that the view to the rear is as unobstructed as possible. Wrong adjustment can cause dangerous traffic situations and accidents resulting in severe personal injury, death or material damage.
The mirror has a convenient tip function that prevents blinding traffic coming from behind. The anti-blinding function is activated by pushing the lever under the mirror forward. **Do not adjust mirrors while driving. This takes focus off the driving and can create dangerous situations.**

5.10 Refrigerator (upgrade)

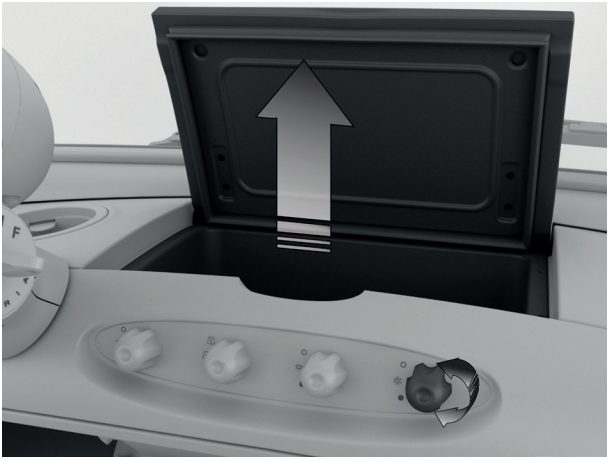


Fig. 5.16

The refrigerator provides cooling for foods and beverages when the vehicle is in operation. The ignition switch must be turned to “F,N,R”.
The refrigerator will continue its cooling function for an additional 2 hours after the ignition switch has been turned to “OFF”, unless it is not turned off by its respective switch. The refrigerator will stop functioning, if turned off by the switch on the dashboard, or if the power is disconnected by the main power switch in the battery compartment.

5.10.1 Energy saving tips

- Allow hot food to cool down before you place it in the refrigerator.
- Only open the refrigerator when necessary.
- Do not leave the lid open for longer than necessary.
- Defrost the refrigerator when a layer of ice has formed.

NOTE
The use of the refrigerator requires battery power and decreases the vehicle’s range. To avoid stalling while driving if battery power is low, avoid using optional extras excessively.

5.10.2 Defrosting the refrigerator

Humidity can form frost on the inside of the refrigerator. This reduces the cooling capacity. Defrost the refrigerator frequently to avoid this.

5.10.3 To defrost the refrigerator, PROCEED AS FOLLOWS:

- Remove the contents of the refrigerator.
- If necessary, place them in another cooling container to keep them cool.
- Switch off the refrigerator.
- Leave the cover open.
- Wipe off the defrosted water.

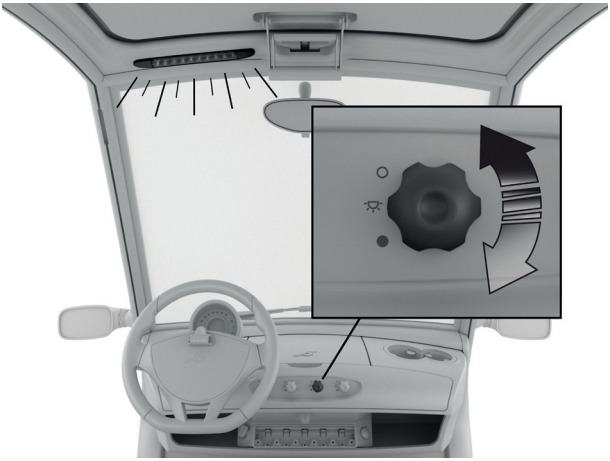
5.10.4 Cleaning and maintenance

- Occasionally, clean the inside of the refrigerator with a damp cloth.

⚠ CAUTION

Danger of damaging the refrigerator!
Do not use abrasive cleaning agents or hard objects during cleaning as these can cause damage.
Never use brushes, scouring pads or hard and/or pointed tools to remove ice or to loosen frozen objects.

5.11 Interior light (upgrade / standard on LSV and Monaco)

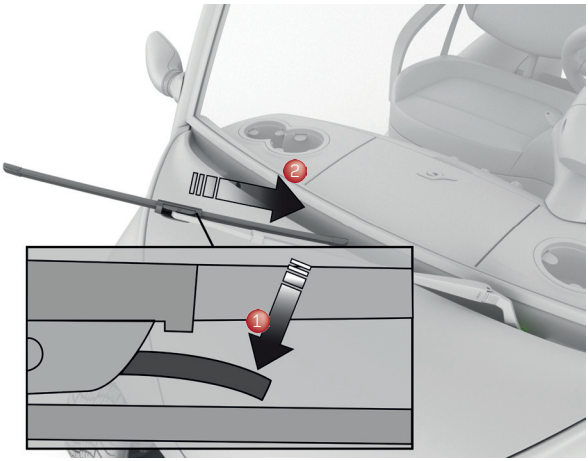


Monaco Fig. 5.17

The interior dome light is placed in the headliner between the windshield and air scoop. Turn the switch on the dashboard to switch the interior light on and off. Use only when vehicle is not in movement. Avoid driving while interior light is on. It can obstruct the vision of the driver, especially when driving in the dark.

NOTE
The use of the interior light requires battery power and decreases the vehicle range. To avoid stalling while driving if battery power is low, avoid using optional extras excessively.

5.12 Windshield wiper / washer (upgrade / standard on LSV and Monaco)



Monaco Fig. 5.18

The windshield wiper is activated by the switch on the dashboard. The location of the switch is illustrated on page 46, figure 5.1. Turn the button one step to activate the wiping function. To activate the windshield washer function, turn and hold another step, release when sufficient washer fluid has been applied to the windshield.

Make sure that the wiper blade is always in the optimum condition. For the best wiping performance, make sure that the blade is clean.
When wiper blade is worn, Garia recommends that it is replaced with an original Garia spare part for the best wiper performance.

5.12.1 Location of the windshield washer fluid (upgrade / STANDARD ON LSV AND MONACO)

Monaco Fig. 5.19

Always make sure to have sufficient washer fluid when driving. Refill with standard automotive windshield washer fluid and keep the correct levels within the “MAX” and “MIN” markings on the windshield washer fluid container.

5.13 Heated Windshield (UPGRADE / STANDARD ON LSV AND MONACO)

Fig. 5.20

In humid conditions or cold weather, the heated windshield provides easy defogging or defrosting of the windshield.
The heated windshield is activated via the switch on the dashboard. If not deactivated, the heated windshield turns off automatically after 30 minutes of operation, unless power is turned off. When the heated windshield is on, a symbol appears in the instrument cluster.

NOTE
The use of the heated windshield requires battery power and decreases the vehicle range. To avoid stalling while driving if battery power is low, avoid using optional extras excessively.

6. SERVICE

6.1 SERVICE INTERVALS

In order to keep your Garia in the best possible condition, Garia has prepared a specially designed service program, to ensure that the vehicle constantly lives up to the highest standards.

The following service intervals must be met to uphold the warranty.

- 12 months / 360 hours service
- 24 months / 720 hours service
- 36 Months / 1080 hours service

Besides the above-mentioned service intervals, additional daily, weekly and monthly checks are required. These can be performed by the owner of the vehicle to uphold the quality and functionality of the vehicle. The following pages explain how to ensure the proper maintenance of your Garia.

If the vehicle is malfunctioning in any way not specified in this user's manual, please consult a qualified repair shop. Garia recommends that any work is provided by an Authorized Garia Service Dealer.

The attached warranty and service book contains the space for service stamps and service and repair remarks. Always be sure to remind your local dealer/repair shop to apply stamps and comments after each service interval.

6.2 SERVICE SYMBOL IN INSTRUMENT CLUSTER

The vehicle is equipped with a memory function that reminds the user to service the vehicle regularly. This symbol will be reset after each service by an Authorized Garia Service Dealer and reappears when the next service is due. Always make sure that the vehicle is maintained according to the service indicator in the instrument cluster. Failure to follow this will void all applicable warranties.

6.3 SERVICE ACTIONS

C = Check CA = Check & Adjust	R = Replace	S = Service		CL = Clean & Lubricate		L = Lubricate	
Months	12	24	36	48	60	72	84
Hours	360	720	1080	1440	1800	2160	2520
CHECK:							
Tire pressure	CA	CA	CA	CA	CA	CA	CA
Visual inspection of tires & rims	C	C	C	C	C	C	C
Brake fluid level	C/S	R	C/S	R	C/S	R	C/S
Battery mounting & liquid state	S	S	S	S	S	S	S
Wires, battery cables & various connectors	CL	CL	CL	CL	CL	CL	CL
Steering for free play	S	S	S	S	S	S	S
Inspection of shocks, springs, cuffs	C	C	C	C	C	C	C
Inspection of front & rear lights	C	C	C	C	C	C	C
Headlight adjustment	CA	CA	CA	CA	CA	CA	CA
Washer nozzle position (if present)	CA	CA	CA	CA	CA	CA	CA
Wheel bearings for play & sound	S	S	S	S	S	S	S
Toe-in alignment	CA	CA	CA	CA	CA	CA	CA
Differential oil	S/CA	S/CA	R	S/CA	S/CA	R	S/CA
Windscreen washer fluid	C	C	C	C	C	C	C
Front brakes	S/CL	S/CL	S/CL	S/CL	S/CL	S/CL	S/CL
Rear brakes (Drum brakes)	S/CL	S/CL	S/CL	S/CL	S/CL	S/CL	S/CL
Discharge test	S	S	S	S	S	S	S
Heated windshield (if present)	C	C	C	C	C	C	C
Windshield for cracks & damages	C	C	C	C	C	C	C
Refrigerator (if present)	C	C	C	C	C	C	C
Lower A-arm	C/S	C/S	C/S	C/S	C/S	C/S	C/S
Upper A-arm	C/S	C/S	C/S	C/S	C/S	C/S	C/S
Rear trailing links	C	C	C	C	C	C	C
Rear Panhard rod	C	C	C	C	C	C	C
Transmission	C	C	C	C	C	C	C
A/C motor	C	C	C	C	C	C	C
Controller	C	C	C	C	C	C	C
Throttle box	CA	C	CA	C	CA	C	CA
Seat belts (if present)	C	C	C	C	C	C	C
Interior light (if present)	C	C	C	C	C	C	C
Seat adjustment (if present)	C	C	C	C	C	C	C
Score card holder	C	C	C	C	C	C	C
Side mirrors (if present)	C	C	C	C	C	C	C
Bag holder (if present)	C	C	C	C	C	C	C
Storage box (if present)	C	C	C	C	C	C	C
License plate light (if present)	C	C	C	C	C	C	C
Instrument cluster (service reset/ function)	CA	CA	CA	CA	CA	CA	CA
Center console buttons (if present)	C	C	C	C	C	C	C

6.4 User self service

Following the guidelines below, the user of the vehicle can, on a regular basis, make sure that the Garia is in the best and safest working condition.
Garia recommends to strictly follow this schedule, and consult a qualified repair shop if any part of the vehicle is not functioning correctly and cannot be replaced by the user.

C = Check CR = Check and replace (if needed)

CHECK:	Daily	Weekly	Monthly
Tires and rims. (visual inspection of cracks, debris and damages)	CR		C
General vehicle conditions (defects and damages)	C		
Functionalty of the lights (bulbs, adjustment etc).	CR		C
Brake pedal travel	C		
Wiper function, windshield washer fluid, wiper blade.		CR	C
Batteries, battery shoes, cable assembly, acid etc (visual inspection)		CR	C
Tire pressure and tire wear	C		
Functionality of the reverse warning indicator	C		
Brake fluid level			C

7. MAINTENANCE

7.1 Replacing light bulbs

7.1.1 Replacing the bulb of the headlight

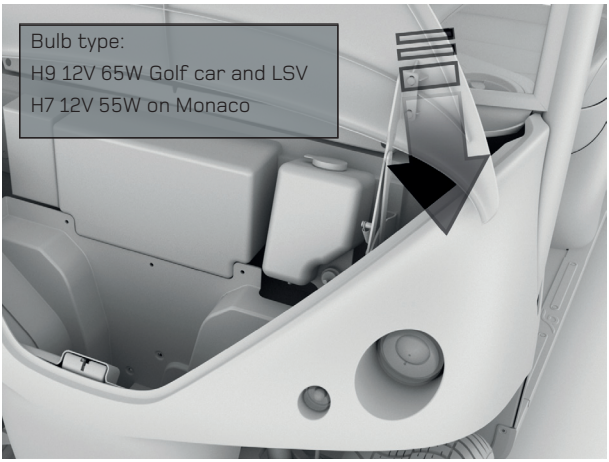


Fig. 7.1

To replace the bulb of the headlight, access the socket from within the front storage compartment. Disconnect the cable plug for the bulb and turn the bulb socket ¼ of a turn counter clockwise. The bulb will release from the lamp fitting. Turn the bulb an additional ¼ of a turn, so the cable fitting is facing upwards. The bulb can be removed from the lamp fitting. Exchange the bulb with a new, suitable for the original type for the vehicle and follow the guidance above in reverse. (Bulb type H9, 65W on LSV and Golf Car / Bulb type on Monaco is H7, 55W)

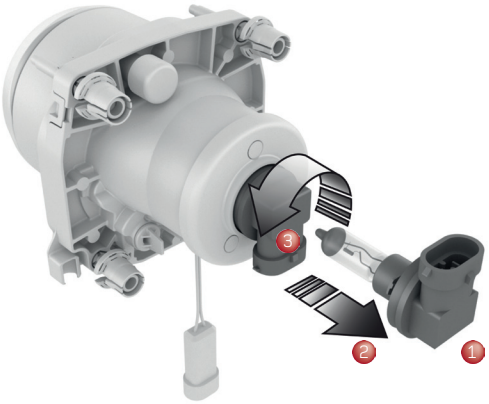


Fig. 7.2

1. Remove the connection plug from the 12V bulb socket
2. Turn the bulb socket 1/4 of a turn counter clockwise to release it from the lamp socket.
3. Turn it an additional 1/4 of a turn counter clockwise so the socket faces upwards. Remove the bulb.

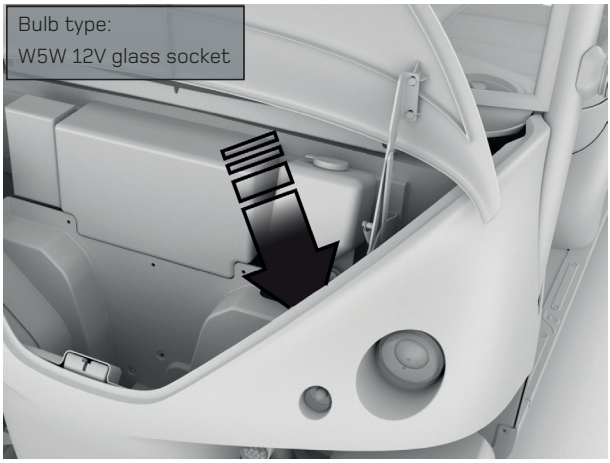
⚠WARNING

Hot bulbs can cause burns. Always disconnect cables and do not touch the bulb until it has cooled off. Never touch a lighted bulb.

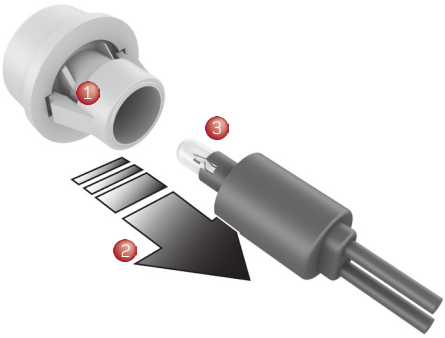
NOTE

Never touch the glass of a bulb. Touching the glass will shorten the life of a bulb remarkably. Use a glove or a cloth when handling a light bulb.

7.1.2 Replacing the bulb of the front position light (ONLY ON MONACO)



Monaco Fig. 7.4



Monaco Fig. 7.5

1. To replace the 12V bulb of the front position light, access the socket from within the front storage compartment.
2. Remove the insulation of the socket and then pull the socket out of the lamp fitting.
3. Replace the lamp, by pulling out the W5W bulb and replacing it with a new.
   Then insert the socket into the lamp fitting and ensure that the insulation prevents moisture, dust or sand from entering the lamp

⚠WARNING

Hot bulbs can cause severe burns. Always disconnect cables and do not touch the bulb until it has cooled off. Never touch a lighted bulb.

NOTE

Never touch the glass of a bulb. Touching the glass will shorten the life of a bulb significantly. Use a glove or a cloth when handling a light bulb.

7.1.3 Replacing bulbs on the front indicator

The front turnsignal light is a LED system that is a closed circuit, and LEDs cannot be replaced separately. Please consult a qualified repair shop. Garia recommends that all maintenance and repairs are provided by an Authorized Garia Service Dealer.

7.1.4 Replacing bulbs of the rear light

The rear light LED system is a closed circuit, and LEDs cannot be replaced separately. Please consult a qualified repair shop. Garia recommends that all maintenance and repairs are provided by an Authorized Garia Service Dealer.

NOTE

In order to provide the required legal luminous intensity, all LEDs must function properly. Always replace lights, if any LED is not functioning correctly.

7.2 Changing a wheel

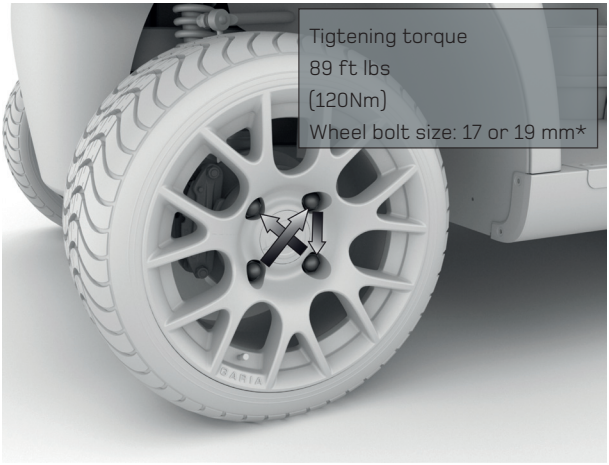


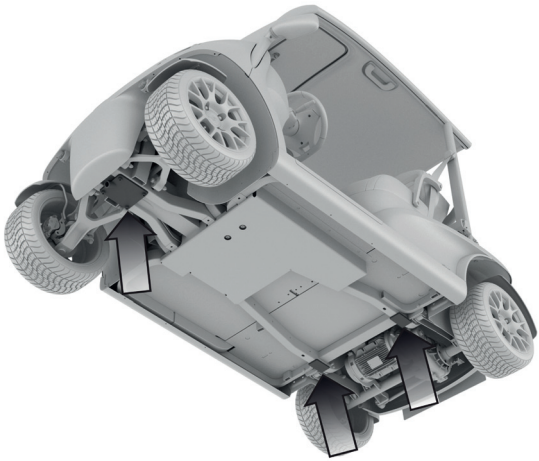
Fig. 7.6

When changing a wheel, always ensure that the vehicle is on an even surface enabling it to be raised properly. Only use the marked jack-points to prevent any damage to the vehicle (see next page).

- Place chocks around all wheels not being lifted to prevent vehicle from moving.
- Loosen the wheel nuts slightly (1/4 of a turn) before raising the vehicle (NEVER completely unscrew ANY of the bolts when the vehicle has not been raised.)
- Always make sure that bolts are cross-loosened and cross-tightened as illustrated above.
- Raise the car and remove all bolts.
- The wheel can be removed and another can be mounted.
- Always use the same size and type of wheel for all 4 wheels on the vehicle.
- Use only original model-specific Garia standard or optional wheels to ensure safe driving conditions and correct dimensions for the vehicle.
- When mounting a new wheel, reverse the steps mentioned above and tighten bolts.
- Tighten the wheel bolts with a tightening torque of 89 ft-lbs (120 Nm).
- Check tightening of wheel bolts after one week of driving, retighten if necessary.

*depending on model

7.3 Jack points



Monaco Fig. 7.7

When raising the vehicle for changing wheels or other work on the underside of the vehicle, the vehicle must be raised on one of the illustrated jack points. Only use the marked jack-points to prevent any damage to the vehicle.

- Never work under a vehicle that is only supported by a jack.
- Only lift vehicle on a firm, stable and level surface.
- Use jack stands and check that vehicle is stable and secure to work under.
- Chocks should be placed at the wheels not being raised to prevent vehicle from rolling.
- Work with extreme caution, since lifting causes great unstability in the vehicle.

⚠WARNING

To reduce the possibility of severe injury or death from a vehicle falling from a jack or a jack stand, ensure that the following precautions are taken.

- **Vehicle is placed on a firm, stable and level surface**
- **No work is performed unless the vehicle is secured by jack stands.**
- **Chocks are in front of and behind wheels that are not being raised.**
- **Work with extreme caution, since a lifted vehicle can be very unstable.**

7.4 Cleaning the vehicle

When cleaning your Garia vehicle, the following procedure ensures the best possible result to attain a look close to the vehicle's appearance when new. Most importantly, always make sure to turn the main power switch to "OFF" before working on an electric vehicle. The combination of water and high voltage is extremely dangerous and could be fatal.

Do not clean any part of the vehicle with a high-pressure cleaner.

7.4.1 Exterior

Initially, remove the bin to avoid damage to the color or structure of the leather. Following, water the vehicle with running water (e.g. a garden hose) to wet the vehicle and to wash away larger pieces of dirt, dust or similar. Avoid as much as possible getting water on the seats and dashboard, especially around the area of electronic switches and appliances. Although durable for small amounts of water, the interior can be damaged when exposed to large quantities of water. Apply water mixed with automotive shampoo (please follow manufacturer's instructions regarding mixture proportions and other instructions). Use a clean soft sponge or brush specifically for automotive exterior cleaning for applying on vehicle exterior. Wash off shampoo with running water (e.g. a garden hose) and dry vehicle with a chamois for automotive use.

7.4.2 Wheels

When using the same sponge for cleansing rims as exterior, it is strongly recommended that the exterior bodywork is cleaned before cleaning the wheels. If the cleaning is done in reverse, the dust from the wheels can risk permanent damage by scratching the painted surface of the exterior. Wet the rims with running water. Apply rim cleansing solution or automotive shampoo with a clean soft sponge or brush and rinse after a short while with running water.

7.4.3 Rubber flooring

Wet the rubber with running water. Apply rubber cleansing solution or automotive shampoo with a clean soft sponge or brush and rinse after a short while with running water. Dry surface gently with a chamois for automotive use. Allow flooring to dry completely before usage to attain the best result. If the rubber flooring shows discoloration due to wear, tear and extreme weather conditions, it is recommended that an aftermarket rubber shine solution is applied to attain 'close-to-new' looks.

7.4.4 Interior

To clean the interior, use a moist cloth or chamois to wipe the surfaces. For thorough cleaning, use automotive interior cleaning solutions and follow instructions carefully. Avoid using running water or high pressure cleaner for cleaning the interior.

7.4.5 Seats

For cleaning the seats and other parts of the interior of similar fabric, wipe with warm water using a wrung cloth. The water can contain mild detergents, with mixture proportions according to manufacturer's specifications. Do not use running water, high-pressure cleaning, solvents, bleaches, abrasives, synthetic detergents, wax polishes or aerosol sprays. Avoid contact with sharp objects.

7.4.6 Batteries

Battery maintenance and care

Maintaining batteries properly includes always charging batteris after use, ensuring the correct level of fluid in the batteries as well as general removal of corrosion, dust, dirt and/or similar, apply anti corrosion liquid if needed.

FOR FUTHER INFORMATION PLEASE SEE CHAPTER 03

⚠WARNING

Watering a battery before charge (or with a low charge level) can lead to boil-over resulting in potential bodily injury and potential damage to the watering system, battery and vehicle.

Ensure that the work area is dry when servicing the vehicle, watering system, battery or battery charger.

⚠WARNING

Risk of electric shock! Always turn Main power switch "OFF" when working with water around an electric vehicle.
Do not clean any part of the vehicle with a pressure cleaner.

7.5 Controlling the brake fluid

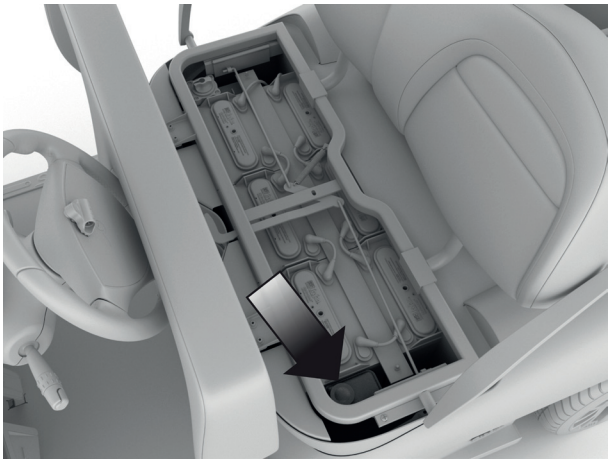


Fig. 7.8

The brakes are a vital part when driving a Car. It is of utmost importance to ensure that the brakes are functioning correctly at all times. Controlling the brake fluid level is an indicator showing if the braking system is functioning correctly.
This vehicle is equipped with a brake fluid level warning indicator which is on the instrument cluster. It informs the driver, if the brake fluid level is reaching a level too low for safe braking operation. If the light is lit in this indicator, a check and a refill could be necessary. It is recommended that a check of the brake fluid level is made regularly. The brake fluid container is found under the seat in the battery compartment. Check that the fluid level is above the minimum requirement but still below the maximum requirement. Too much or too little brake fluid can cause permanent damage to the entire braking system, putting your safety at risk.

Always use DOT 4 brake fluid.

If brake fluid levels are correct but the braking system shows irregularities, please consult a qualified repair shop. Garia recommends that all maintenance and repairs are provided by an Authorized Garia Service Dealer.

⚠WARNING

ALWAYS make sure that the braking system is functioning correctly. Malfunctioning brakes can cause SERIOUS INJURY OR DEATH to drivers or people near the vehicle.

7.6 Tow switch

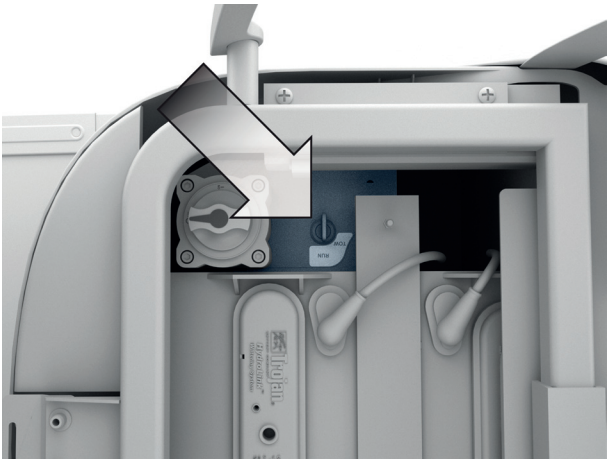


Fig. 7.9

The vehicle is equipped with a towing switch which enables the car to be towed if needed.
To activate the towing function, the switch in the battery compartment must be engaged. This can only be done by using the additional key which came with the car at its delivery. Please note, this key is not the same as the ignition key. It is recommended that the key is removed from the keyhole whenever the towing function is not activated. Doing this prevents unauthorized removal of the vehicle.

To be able to activate the towing function, the ignition switch on the steering column must be turned to the "N"-position. Furthermore it is necessary that the main power switch in the battery compartment is turned to the "ON"-position. Select "TOW" to activate the towing function.
Activating the towing function discharges the battery. Do not store vehicle with towing switch turned to "TOW", since this eventually will discharge the batteries and permanently damage the batteries. Fully discharging the batteries shortens the life of the battery. Activating the towing function disables the ignition information, meaning that the vehicle will not drive.
Always make sure to take the best safety precautions when releasing parking brake.
Activating the towing switch disables most electrical appliances in the vehicle.

⚠WARNING

The vehicle can roll unexpectedly at all times when the parking brake is released, even on level ground. This can cause a severe accident or death.

7.7 Towing without battery power

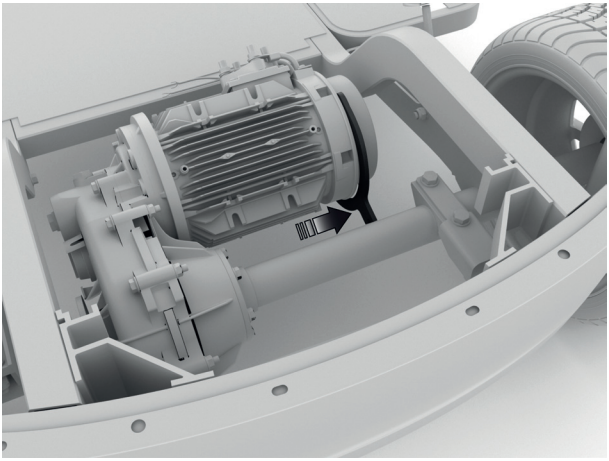


Fig. 7.10

If vehicle batteries are completely discharged or malfunctioning and there is no possibility of activating the towing function through the towing switch, the parking brake can be released by manually engaging the lever on the motor as illustrated above.
Push the lever to release the parking brake and the vehicle can be towed.
Access the lever from the underside of the vehicle or by removing the load area floor.
Once the towing session has taken place, it is of great importance to activate the parking brake before vehicle is put into service.

Always take the greatest safety precautions when releasing parking brake. If unsure on how release the parking brake manually it is recommended that you contact the nearest Garia dealer or service shop.

⚠WARNING

The vehicle can roll unexpectedly at all times when parking brake is released, even on level ground. This can cause a severe accident!
Activate automatic parking brake function before vehicle is put into service!

7.8 Towing hook

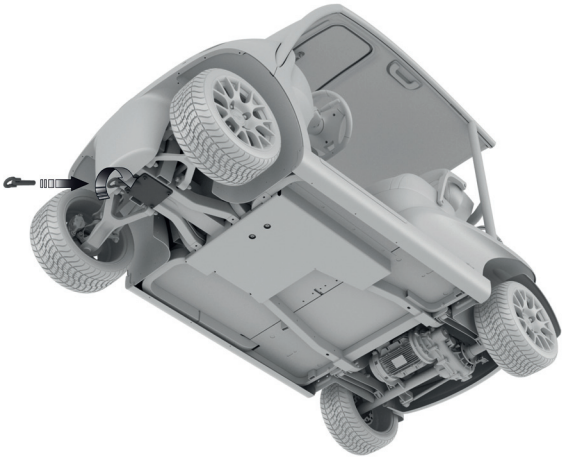


Fig. 7.11

If the vehicle requires to be towed, the towing hook can be mounted underneath the front body as illustrated above. (Towing hook is standard equipment on all vehicles)

⚠WARNING

Use caution when towing a vehicle.
Do not attempt to tow vehicle with any other device than an approved automotive towing rope.
Do not tow vehicle on highways or other public roads not specified for Golf Car use.
Only tow one vehicle at a time.
The vehicle can roll unexpectedly at all times when parking brake is released, even on level ground. This can cause a severe accident.
Do not exceed 10 mph (16 km/h) while towing.

7.9 Hauling

This Garia Golf Car is not constructed for hauling. This includes other vehicles, trailers or other devices. Failure to heed this warning will void all applicable warranties.

7.10 Fuse box location

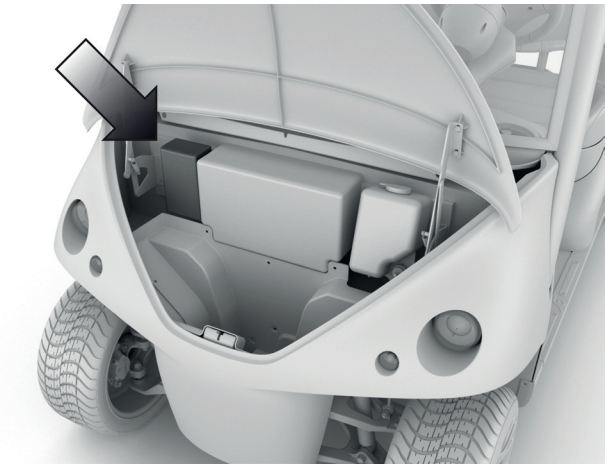
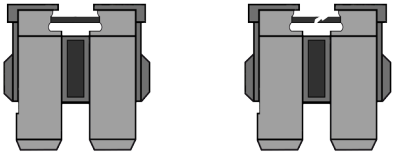


Fig. 7.12

The fuse box is situated as illustrated above.
If a malfunction in the electrical system occurs, it is recommended to check the fuses. Always be sure to replace fuses for the same amperes as specified on the following page. Replacing fuses for other amperes than specified can cause malfunctions or break-downs on the electrical system.
It is fairly easy to dertermine if a fuse is defective/blown, disconnect the fuse from the socket in the fuse box. see illustration below on how to dertermin if the fuse is defective.



OK Defective

⚠ CAUTION

Danger of damaging the device!
Only replace fuses for the same amperes as specified in this user's manual. Replacing fuses for other amperes than specified can cause serious damage to the electrical system of the vehicle.

7.11 Fuse box Overview Golf car

GARIA

FUSE BOX SCHEMATIC

Fuse	Amp	Usage
F1	7,5	Horn, direc-tion lights
F2	15	Parking light, high beam
F3	10	Low beam
F5	5	Hazard light
F7	5	Brake lights
F8	15	Wiper and washer
F9	5	Actuator, instrument cluster
F10	5	Interior light
F11	15	Refrigerator
F12	10	12V output
F15	5	Keyswitch
F17	5	Heated wind-screen

G21 901 023 00

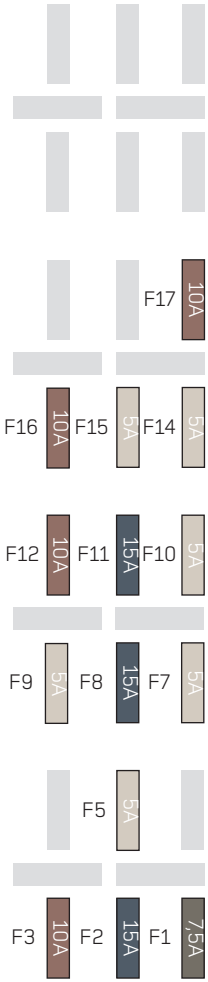


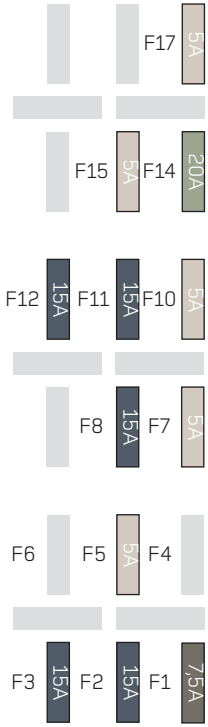
Fig. 7.13

7.13 Fuse box Overview LSV & Monaco

GARIA

FUSE BOX SCHEMATIC

Fuse	Amp	Usage
F1	7,5	Horn, direction lights
F2	15	Position light
F3	15	Low and high beam
F5	5	Hazard light, 12V tow
F7	5	Bonnet actuator and cluster
F8	15	Wiper and washer
F10	5	Interior light
F11	15	Refrigerator
F12	15	12V out and cluster
F14	20	Charger
F15	5	Keyswitch
F17	5	Heated windscreen



G21 901 022 00

Fig. 7.14

7.13 Storage

When storing your vehicle for longer periods of time, please perform the following operations.

- Charge the batteries and check the fluid levels. Do this at least once a month. If frequent charging is not posible, the charger is designed to be connected for longer periods of time. The on-board charger has a maintenance charging algorythme that keep the batteries healthy for a longer period of storage.
- Clean the tops of the batteries with a solution of baking soda and water. Use 1lb of baking soda for 1 gallon of water (120g for 1 litre of water) to remove corrosion. Do not allow this solution to enter the battery cells.
- Turn the ignition key to the 'OFF' position.
- Remove key and store it in a safe place.
- Turn the Main power switch in the battery compartment to 'OFF'.
- Remove the key from the towing key switch. This should only be present when vehicle is being towed. Always store in a safe place.
- Clean the vehicle and apply a rust inhibitor on exposed locations.
- See chapter 3 for special precautions when storing batteries.

8.1 The car will not drive.

- Check if Main power switch is “ON” in battery compartment.
- Check if Towing switch is “OFF” in battery compartment.
- Check if Ignition switch is in “F” or “R”.
- Check the battery indicator in the instrument cluster to see if batteries are sufficiently charged.
- Reset the vehicle - please see next page on how to reset the vehicle.
- If all of the above are confirmed, please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.2 The vehicle will only drive at a very slow speed.

- Are the batteries sufficiently charged? If vehicle voltage is below 37.5V the vehicle may have switched to LOS-mode (limited operation strategy). It is a safety program that allows the vehicle to drive at very low speeds only. Charge batteries fully to switch off the LOS mode.
- Reset the vehicle - please see next page on how to reset the vehicle.
- Please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.3 The vehicle has a lower range than usual.

- One or more batteries may be malfunctioning. Batteries will typically experience lower capacity after many cycles of charging.
- Allow batteries to fully charge, and check for correct water levels.
- If this does not help, please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.4 The charger will not charge the batteries.

- Check that the power inlet is supplying power to the charger.
- Check that the charger LED is indicating that the batteries are charging.
- Charger may be overheating in hot weather conditions. Allow charger to cool down or restart charging in a cooler environment.
- Reconnect the charger plug.
- If this does not help, please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.5 What to do with a completely discharged battery.

- Engage a full charging cycle of the battery.
- If this does not help, please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.6 How to reset the vehicle.

- If the vehicle shows any electrical errors, resetting the electrical system mayhelp. Resetting the vehicle is done by turning the Main power switch to"OFF", then wait approximately 30 seconds, and turning it to "ON" again.
- If that does not help, apply the charger cable for 1 hour, when done cycle between "R,N,F" and back to off (this will reset the DBI on the controller).
- If this does not help, please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.7 The lights do not work.

- Check the fuse. If fuse is not intact, replace it with a new one.
- Check if bulbs are functioning correctly. If not, replace with new ones.
- If none of the above prove helpful, please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.8 The refrigerator does not work.

- Turn ignition on (turn to 'N'), and activate the refrigerator on the 'refrigerator' button on the dashboard. The refrigerator symbol in the instrument cluster will be lit if power is on and ignition switch is not turned to 'Off'.
- Check the fuse. If fuse is not intact, replace with a new.
- If none of the above prove helpful, please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.9 The refrigerator stops cooling when parked (less than 2 hours).

- Main power switch must be on.
- Check the fuse. If fuse is not intact, replace it with a new one.
- If none of the above prove helpful, please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.10 The brake pedal is soft, or presses down without resistance.

- Do not drive vehicle, brakes may be malfunctioning. Please consult a qualified repair shop. Preferably an Authorized Garia Service Dealer.

8.11 The vehicle vibrates in the steering wheel.

- Please check tire pressure, apply 30 psi in each tire as recommended in this manual and by the supplier.

9.1 Golf car vehicle specifications

In compliance with the EC Machinery directive

VIN: UJGL2L3LXAUXXXXXX	WEIGHTS
Number of seats: Two	Design Curb Weight: 1212 lb (550 Kg)
	Distribution F/R: 40/60 %
STANDARD FEATURES:	GVWR: 1984 lb (1000 Kg)
Rear wheel drive	GAWR F/R: 882/1323 lb (400/600 Kg)
Hydraulic brake system: Discs brake on front axle, drum brakes on rear axle	Payload: 770 lb (350 Kg)
Regenerative braking	
Speedometer	**DIMENSIONS**
Odometer	Wheelbase: 71 inches (1800 mm)
State-of-charge meter	Track F/R: 36/39 inches (922/1000 mm)
Reverse warning alarm	Length: 92 inches (2330 mm)
Service display	Width: 48 inches (1210 mm)
On board battery charger	Height: 73 inches (1850 mm)
Headlamps (high, low beam and integrated position light)	Ground Clearance: 6.5 inches (165 mm)
Stop and tail lights	
Front and rear turn signal LEDs	
Parking Brake	**CHARGER**
Windshield	Location: On board
	Type: Integrated DeltaQ charger/converter
BATTERY	Input Voltages: 110/220 VAC
Manufacturer: Trojan	
Type: Lead Acid	
Number of Modules: 6	**Standard tires**
Weight pr. module: 29 kg / 64 punds	Tire Manufacturer: Carlisle
Weight of Pack: 174 kg / 364 punds	Tire Model: Tour Max
Pack Location: Under the seats	Tire Size: 205-50-10
Nominal module voltage: 8V	Tire Pressure: 30 psi
Nominal system voltage: 48V	
Battery capacity: 170 Ah (C20)	**Optional tires**
	Tire Manufacturer: ITP
MOTOR	Tire Model: Ultra GT
Manufacturer: Leroy Somer	Tire Size: 205-30-12
Type: TRA 145 AC Electric	Tire Pressure: 30 psi
Max net. Power: 4.0 bhp (3.0 KW)	
REAR AXLE	**PERFORMANCE**
Manufacturer: Comex SpA	Controller: Curtis 1234-5271 275AMP
Gear ratio 12,3:1	Max attainable speed: 19mph / 24km/h

9.2 LSV & NEV vehicle specification

In compliance with FMVSS 571.500

VIN: UJGL2L3LXAUXXXXXX	WEIGHTS
Number of seats: Two	Design Curb Weight: 1212 lb (550 Kg)
	Distribution F/R: 40/60 %
STANDARD FEATURES:	GVWR: 1984 lb (1000 Kg)
Rear wheel drive	GAWR F/R: 882/1323 lb (400/600 Kg)
Hydraulic brake system: Discs brake on front axle, drum brakes on rear axle	Payload: 770 lb (350 Kg)
Regenerative braking	
Two-point seat belts, conforming to CFR571.209	DIMENSIONS
Speedometer	Wheelbase: 71 inches (1800 mm)
Odometer	Track F/R: 36/39 inches (922/1000 mm)
State-of-charge meter	Length: incl. license plate holder: 92inches(2330mm)
Reverse warning alarm	Width excl. mirrors: 48 inches (1210 mm)
Service display	Width incl. mirrors: 60 inches (1540mm)
On board battery charger	Height: 73 inches (1850 mm)
Headlamps (high, low beam and integrated position light)	Ground clearance: 6.5 inches (165 mm)
Stop & tail lights	
Front and rear turn signal LEDs	CHARGER
Reflectors on each side and on rear	Location: On board
Exterior mirrors, 2 side mirrors and interior mirror	Type: Integrated DeltaQ charger/converter
Parking Brake	Input Voltages: 110/220 VAC
Windshield DOT and AS1 marked conforming to CFR571.205	
Windshield moisture removing device	TIRES conforming to CFR571.110
VIN system conforming to CFR part 565	Standard tires
Certification label conforming to CFR part 567	Tire Manufacturer: Carlisle
Speed switch	Tire Model: Tour Max
	Tire Size: 205-50-10
	Tire Pressure: 30 psi

Continued on next page

BATTERY	
Manufacturer: Trojan	**Optional tires**
Type: Lead Acid	Tire Manufacturer: ITP
Number of Modules: 6	Tire Model: Ultra GT
Weight pr. module: 29 kg / 64 punds	Tire Size: 205-30-12
Weight of Pack: 174 kg / 384 punds	Tire Pressure: 30 psi
Pack Location: Under the seats	
Nominal module voltage: 8V	**REAR AXLE**
Nominal system voltage: 48V	Manufacturer: Comex SpA
Battery capacity: 170 Ah (C20)	Gear ratio 12,3:1
MOTOR	
Manufacturer: Leroy Somer	**PERFORMANCE**
Type: TRA 145 AC Electric	Controller: Curtis 1234-5271 275AMP
Max net. Power: 4.0 bhp (3.0 KW)	Max attainable speed: 25mph / 40km/h

9.3 GARIA MONACO VEHICLE SPECIFICATION

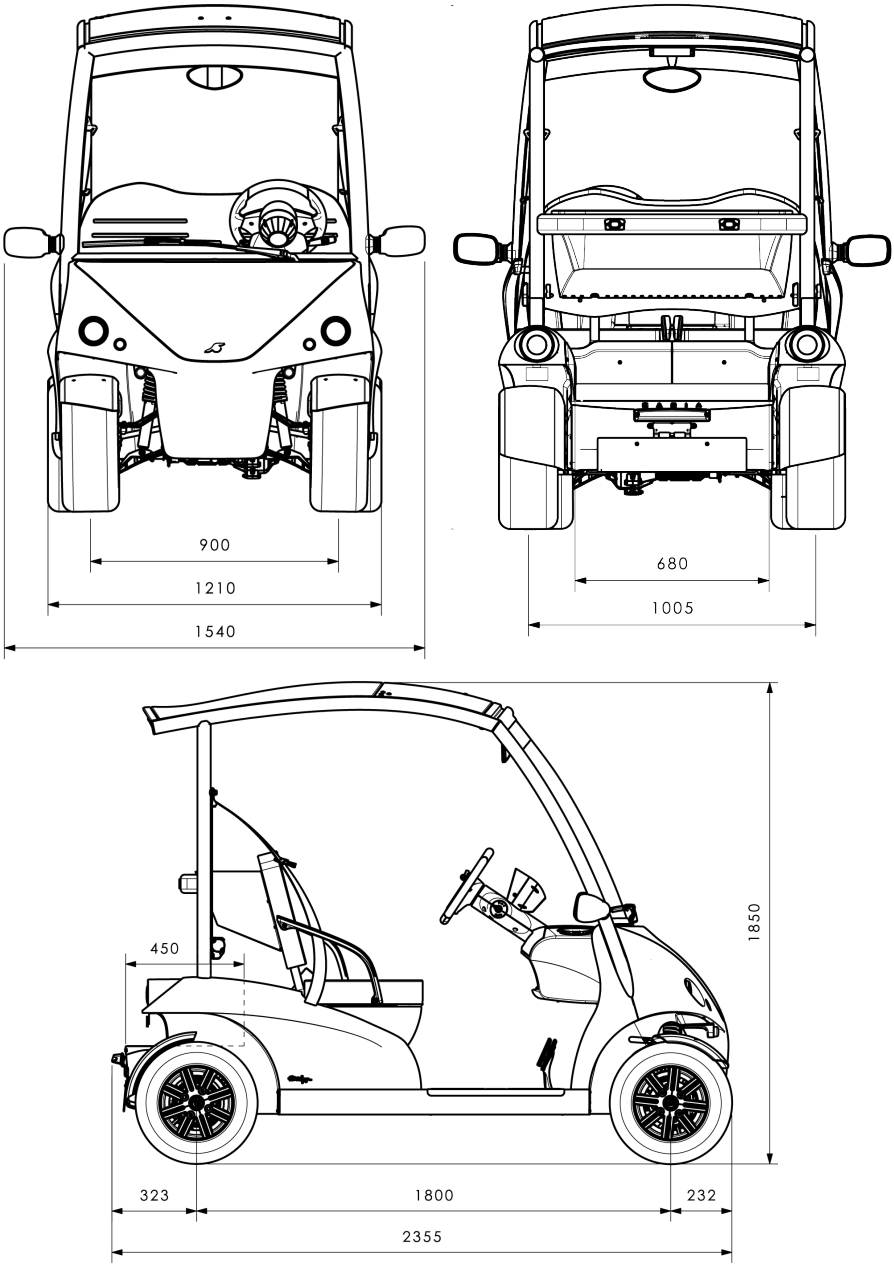
EC type aproval number: e12*2002/24*0474*00

VIN: UJGGHS313XUXXXXXX	WEIGHTS
Number of seats: Two	Design Curb Weight: 1212 lb (550 Kg)
	Distribution F/R: 40/60 %
STANDARD FEATURES:	GVWR: 1984 lb (100 Kg)
Rear wheel drive	GAWR F/R: 882/1323 lb (400/600 Kg)
Hydraulic brake system: Discs brake on front axle, drum brakes on rear axle	Payload: 770 lb (350 Kg)
Regenerative braking	
Three-point seat belts	DIMENSIONS
Speedometer	Wheelbase: 71 inches (1800 mm)
Odometer	Track F/R: 36/39 inches (922/1000 mm)
State-of-charge meter	Length: incl. license plate holder:93 inches (2355) mm)
Speed switch	Width excl. mirrors: 48 inches (1210 mm)
Service display	Width incl. mirrors: 60 inches (1540mm)
On board battery charger	Height: 73 inches (1850 mm)
Headlights (high & low beam)	Ground Clearance: 6.5 inches (165 mm)
Position light	
Stop and tail lights	CHARGER
Front and rear turn signal LEDs	Location: On board
Rear Reflectors	Type: Integrated DeltaQ charger/converter
Exterior mirrors, 2 side mirrors and interior mirror	Input Voltages: 110/220 VAC
Parking Brake	
Windshield DOT and AS1 marked	STANDARD TIRES
Windshield moisture removing device	Tire Manufacturer: Carlisle
	Tire Model: Tour Max
	Tire Size: 205-50-10
	Tire Pressure: 30 psi

Continued on next page

BATTERY	
Manufacturer: Trojan	**OPTIONAL TIRES**
Type: Lead Acid	Tire Manufacturer: ITP
Number of Modules: 6	Tire Model: Ultra GT
Weight pr. module: 29 kg / 64 pounds	Tire Size: 205-30-12
Weight of Pack: 174 kg / 384 punds	Tire Pressure: 30 psi
Pack Location: Under the seats	
Nominal module voltage: 8V	**REAR AXLE**
Nominal system voltage: 48V	Manufacturer: Comex SpA
Battery capacity: 170 Ah (C20)	Gear ratio 12,3:1
MOTOR	**PERFORMANCE**
Manufacturer: Leroy Somer	Controller: Curtis 1234-5271 275AMP
Type: TRA 145 AC Electric	Max attainable speed: 25mph / 40km/h
Max net. Power: 4.0 bhp (3.0 KW)	

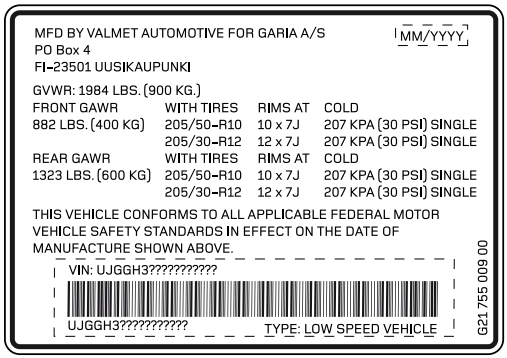
9.4 Vehicle dimensions



9.5 LSV Certification Label

Certification label of the vehicle can be found in the headlíner above the head of the driver, near the B-pillar. The certification label contains all information required by the NHTSA according to 49 CFR 571.500.

The label is placed as illustrated below.



Example of a certification label

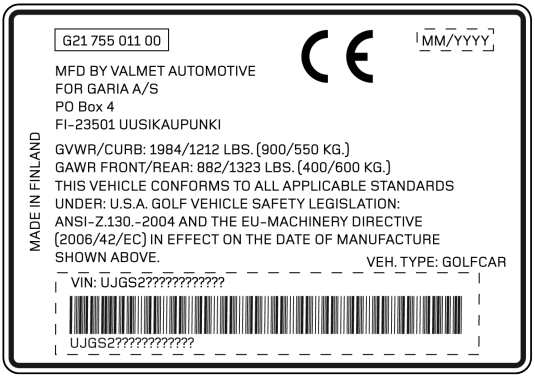
NOTICE

Please note, this plate/sticker may not be removed from vehicle.

9.6 Golf Car Certification Label

Certification label of the vehicle can be found in the headlíner above the head of the driver, near the B-pillar. The certification label contains all information required by the European commission and U.S. law.

The label is placed as illustrated below.



Example of a certification label

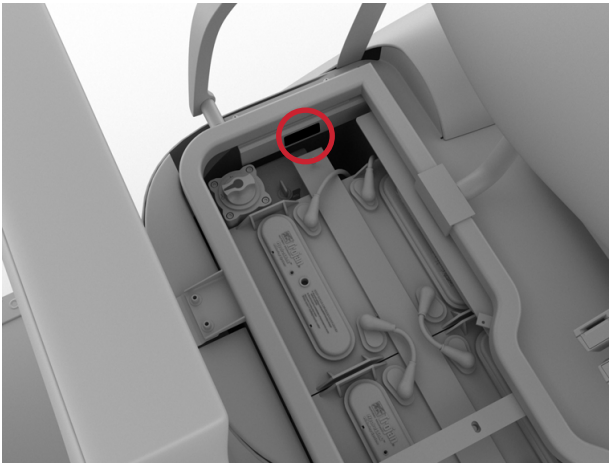
NOTICE

Please note, this plate/sticker may not be removed from the vehicle.

9.7 Garia Monaco manufacturer plate

Manufacturer plate is located underneath the seat by the main switch. The plate contains the vehicle's unique VIN and the type approval number (e12*2002/24*0474*00)

The plate is placed as illustrated below.



Example of a Manufacture plate

NOTICE

Please note, this plate/sticker may not be removed from vehicle.

10 NOTES

10 NOTES

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User's Manual: Garia golf and leisure vehicle.

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